04-25-2025 LETTING ITEM 012

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS

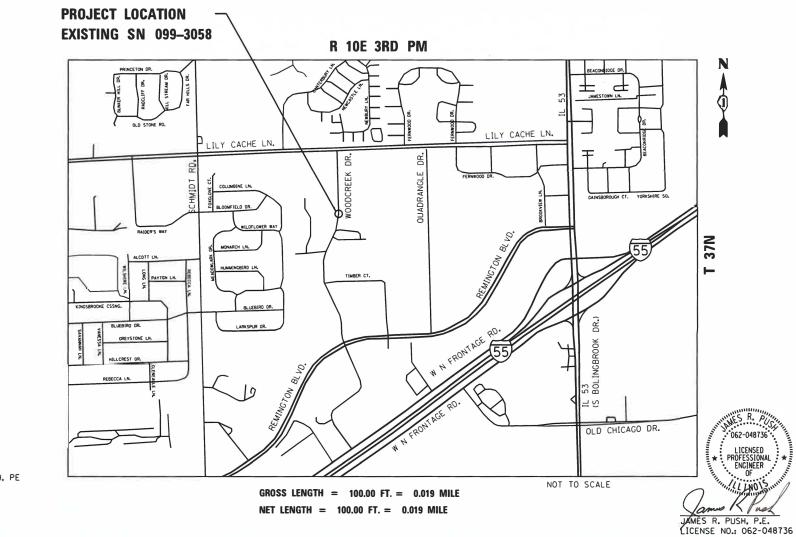
DEPARTMENT OF TRANSPORTATION

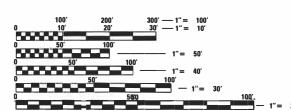
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

LOCAL STREET: MUN 1147 (WOODCREEK DRIVE) SECTION 10–00055–00–BR PROJECT NO.: WGMD(988) TYPE of IMPROVEMENT: CULVERT REPLACEMENT WILL COUNTY

C-91-513-11





TRAFFIC DATA

DHV = 200 VPD POSTED SPEED: 25 MPH

ROAD CLASS: LOCAL ROAD

ROADWAY NAME: WOODCREEK DRIVE

ROAD JURISDICTION: VILLAGE OF BOLINGBROOK AADT = 2,100 VPD (2024), 0% TRUCKS

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

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE CONSULTANT ENGINEER: QUANDEL CONSULTANTS, INC., JAMES R. PUSH, PE

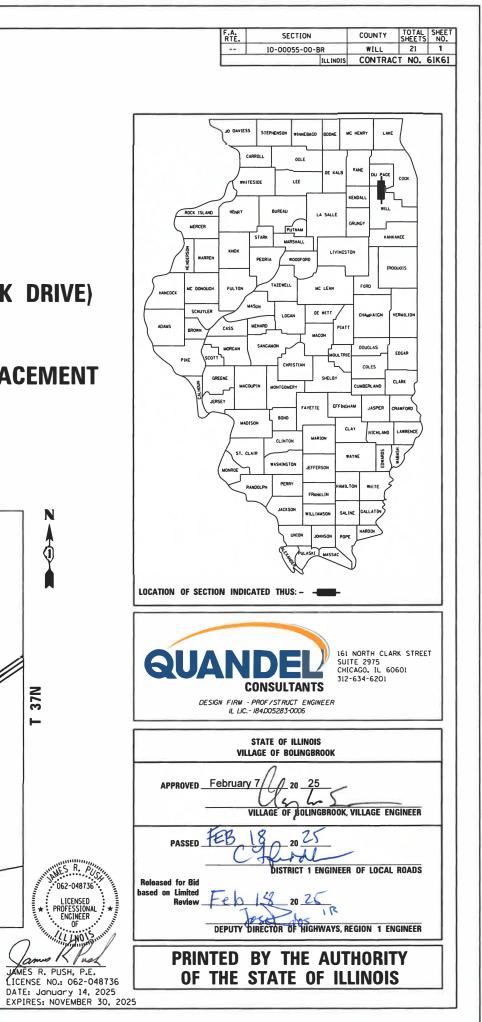
CONTRACT NO. 61K61

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INDEX OF SHEETS

- COVER 1
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
- 3 5 SUMMARY OF QUANTITIES
- TYPICAL SECTIONS 6
- 7 REMOVAL PLAN
- 8 PLAN & PROFILE
- DETOUR PLAN 9
- 10 **EROSION AND SEDIMENT CONTROL PLAN**
- 11 LANDSCAPING PLAN
- 12 LIGHTING PLAN
- GENERAL PLAN AND ELEVATION 13
- 14 PRECAST CONCRETE BOX CULVERT
- 15 CONCRETE END SECTIONS, CULVERT NO. 1 DETAILS
- CAST-IN-PLACE APRON DETAILS 16
- 17 CAST-IN-PLACE WINGWALL DETAILS
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IDOT STANDARDS

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280001–07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
602301–04	INLET, TYPE A
604051–04	FRAME AND GRATE, TYPE 11
701006–05	OFF-ROAD OPERATIONS, 2L, 2W, 15* (4.5 M) TO 24*(600 MM) FROM PAVEMENT EDGE
701101–05	OFF-ROAD OPERATIONS, MULTILANE, 15* (4.5 M) TO 24*(600 MM) FROM PAVEMENT EDGE
701301–04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311–03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501–06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801–06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901–10	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 AND THE VILLAGE OF BOLINGBROOK FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE, GAS, AND OTHER FACILITIES AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
- 3. THE CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM THE CONTRACT PLANS FOR CONSTRUCTION PURPOSES. SCALES, IF SHOWN, ARE FOR INFORMATION ONLY.
- 4. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM FIELD MEASUREMENTS AND AS-BUILT PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING THE MATERIALS.
- 5. THE DESIGN FILL HEIGHT FOR THIS BOX IS LESS THAN 2 FT. THE PRECAST BOX CULVERT SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 1577.
- 6. NO CHANNEL GRADING OR CULVERT CONSTRUCTION ACTIVITIES WILL BE ALLOWED IN STANDING WATER OR DURING PERIODS OF HIGH FLOWS AND EXCESSIVE CHANNEL FLOW VELOCITIES.
- 7. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREA SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STREAM OR DRAINAGE SYSTEMS. CONCRETE WASTE SOLIDS AND LIQUIDS SHALL BE DISPOSED OF PROPERLY.
- 8. ALL WORK SHALL BE COMPLETED WITHIN PUBLIC RIGHT-OF-WAY WITH NO EQUIPMENT OR MATERIAL STORAGE ON PRIVATE PROPERTY. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND CONSTRUCTION LIMITS.
- 9. REMOVALS OF PAVEMENT, CURB AND GUTTERS AND SIDEWALK SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT.
- 10. CONCRETE CURING MATERIALS SHALL BE APPLIED TO ALL NEW CONCRETE GUTTER FLAGS, FACES, TOPS OF CURBS, SIDEWALKS, AND DRIVEWAY PAVEMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1022 OF THE STANDARD SPECIFICATIONS.
- 11. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- 12. ALL NITROGEN, PHOSPHOROUS AND POTASSIUM FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT FOR SEEDING OR SODDING APPLICATION.

COMMITMENTS

NONE

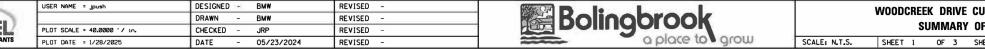


USER NAME = jpush	DESIGNED - AMB	REVISED -		WOODCREEK DRIVE CULVER
	DRAWN - AMB	REVISED -	Bolinabrook	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DYS	REVISED -	Donigoroon	INDEX OF SHEETS, HIGHWAY STAND
PLOT DATE = 1/28/2025	DATE - 01/14/2025	REVISED -	a place to grow	SCALE: N.T.S. SHEET 1 OF 1 SHEETS

ERT REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS				
NDARDS & GENERAL NOTES		10-00055-00-BR	WILL	21	2			
	CONTRACT NO. 61K61							
S STA. TO STA.	ILLINOIS FED. AID PROJECT							

		T	1		ON CODE - URBAN			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT 0010			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20	20				
20200100	EARTH EXCAVATION	CU YD	37		37			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	145		145			
20300100	CHANNEL EXCAVATION	CU YD	83		83			
20700220	POROUS GRANULAR EMBANKMENT	CU YD	198		198			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	423	423				
25000100	SEEDING, CLASS 1	ACRE	0. 25	0. 25				
25200110	SODDING, SALT TOLERANT	SQ YD	184	184				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10	10				
28000400	PERIMETER EROSION BARRIER	FOOT	625	625				
28000510	INLET FILTERS	EACH	4	4				
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	423	423				
28100127	STONE RIPRAP, CLASS B4	SQ YD	248		248			
28200200	FILTER FABRIC	SQ YD	248		248			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	426	426				
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	825	825				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	330	330				
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	144	144				
NDICATES S	PECIALTY ITEM							
USER NAME = jp PLOT SCALE = 40 PLOT DATE = 1/	DRAWN - BMW REVISED - J0000 ' / In- CHECKED - JRP REVISED -	Be	olingbrook a place to g	row SCALE: N.T.S.	WOODCREEK DRIVE CULVERT REPLACE SUMMARY OF QUANTITIES	MENT F.A. RTE.	SECTION 10-00055-00-BR	COUNTY TOT SHEI WILL 2 CONTRACT N





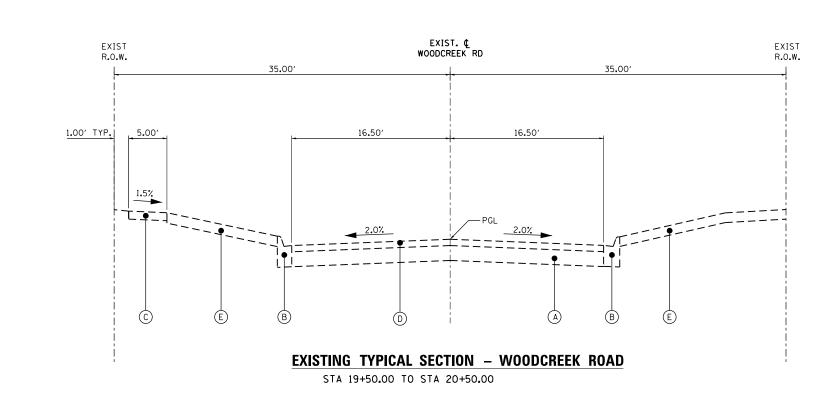
				CONSTRUCTI	ON CODE - URBAN			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT 0010			
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	42	42				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	675	675				
44000100	PAVEMENT REMOVAL	SQ YD	367	367				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	200	200				
44000600	SIDEWALK REMOVAL	SQ FT	608	608				
50105220	PIPE CULVERT REMOVAL	FOOT	362		362			
50200100	STRUCTURE EXCAVATION	CU YD	673		673			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3, 430		3, 430			
51500100	NAME PLATES	EACH	1		1			
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	3		3			
54003000	CONCRETE BOX CULVERTS	CU YD	21. 7		21. 7			
54010705	PRECAST CONCRETE BOX CULVERTS 7' X 5'	FOOT	360		360			
60404300	FRAMES AND GRATES, TYPE 3	EACH	4	4				
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	200	200				
67100100	MOBILIZATION	L SUM	1		1			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4				
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	308	308				
* SPE	CIALTY ITEM							
USER NAME = J PLOT SCALE = 4 PLOT DATE = 1.	DRAWN - BMW REVISED - 0.0000 '/ 10. CHECKED - JRP REVISED -	B	olingbrook a place to gr	OU SCALE: N.T.S.	WOODCREEK DRIVE CULVERT REPLACI SUMMARY OF QUANTITIES	TO STA.	SECTION 10-00055-00-BR	COUNTY TOTAL SHEETS WILL 21 CONTRACT NO. 6

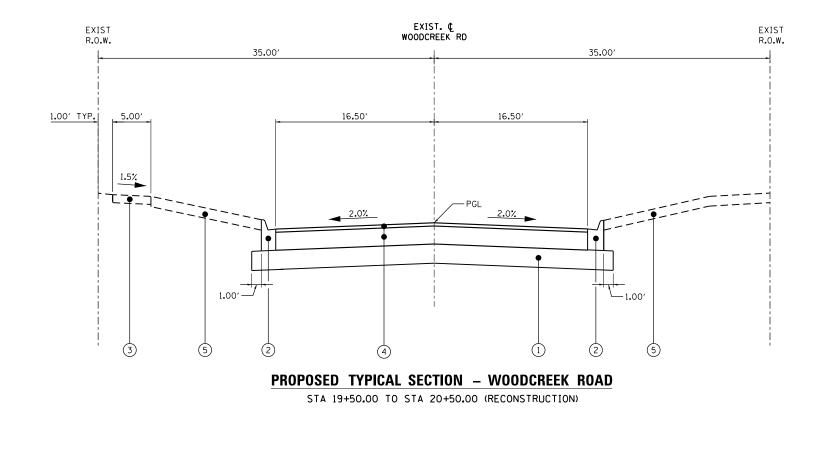


				CONSTRUCTI	ON CODE - URBAN		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT 0010		
8170241	5 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	321	321			
Z001379	8 CONSTRUCTION LAYOUT	L SUM	1	1			
Z005440	0 ROCK FILL	CU YD	145		145		
X120005	8 INLET RISER STRUCTURES (OPEN BOTTOM)	EACH	4	4			
X201051	4 SELECTIVE CLEARING	ACRE	0. 1	55 <mark>81</mark> 57 17	0. 1		
X251163	0 EROSION CONTROL BLANKET (SPECIAL)	SQ YD	239		239		
X502150	7 DEWATERING	L SUM	1		1		
X581010	3 MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	375		375		
x701021	6 TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
XX00124	9 ORNAMENTAL FENCE	FOOT	78		78		
x800000	3 MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1	1			
XX00970	7 SLOPE WALL REMOVAL, VARIABLE THICKNESS	L SUM	1		1		
				-			
* SPEC	IALTY ITEM		1	1			
USER NAME			Bolingbrook a place to g		WOODCREEK DRIVE CULVERT REPLACE	MENT F.A. SECTION COUNTY TTE. 10-00055-00-BR WILL	TOTAL SHEETS 21
	= 40.0000 '/ in. CHECKED - JRP REVISED - = 1/28/2025 DATE - 01/14/2025 REVISED -			row SCALE: N.T.S.	SUMMARY OF QUANTITIES	10-00055-00-BR WILL CONTRAC CONTRAC TO STA. ILLINOIS FED. AID PROJECT	T NO. 6



	USER NAME = jpush	DESIGNED - BMW	REVISED -			WOODCREEK DRIVE			
N		DRAWN - BMW	REVISED -	Kolinobrook					
28	PLOT SCALE = 40.0000 '/ in.	CHECKED – JRP	REVISED -		SUMMARY OF QUANTITIES				
ANTS	PLOT DATE = 1/28/2025	DATE - 01/14/2025	REVISED -	a place to grow	SCALE: N.T.S.	SHEET 3 OF 3	SHEETS STA.		





- (A) AGGREGATE BASE COURSE 8"

- D HOT-MIX ASPHALT PAVEMENT 3"
- (E) TOPSOIL AND SOD

- (1) AGGREGATE SUBGRADE IMPROVEMENT 12"

ŀ	HOT-MIX ASPHALT MIXTURE REQUIREMENTS					
нот	-MIX ASPHALT PAVEMENT RECONSTRUCTION	TION AIR VOIDS AT NDES				
Н	DT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 (2")	4% AT 50 GYR.	LR 1030-2			
н	OT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (7")	4% AT 50 GYR.	LR 1030-2			
	LR 1030-2					
NOT	ES:					
1.	THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE O	UANTITIES IS 112	LBS/SQ YD/IN			
2.	THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PO HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RE					

QUAN	DEL
CC	DNSULTANTS

	USER NAME = jpush	DESIGNED -	AMB	REVISED -	D - le - la - a la	WOODCREEK DRIVE CULVERT REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
		DRAWN -	AMB	REVISED -	INCLUCION BOILOODIOOK	TYPICAL SECTIONS		10-00055-00-BR	WILL	21 6
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	JRP	REVISED -		ITAL SECTIONS			CONTRAC	T NO. 61K61
5	PLOT DATE = 1/28/2025	DATE -	05/23/2024	REVISED -	a place to grow	SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	OIS FED. AID PROJECT	

EXISTING LEGEND

B COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.12 C PORTLAND CEMENT CONCRETE SIDEWALK, 5"

PROPOSED LEGEND

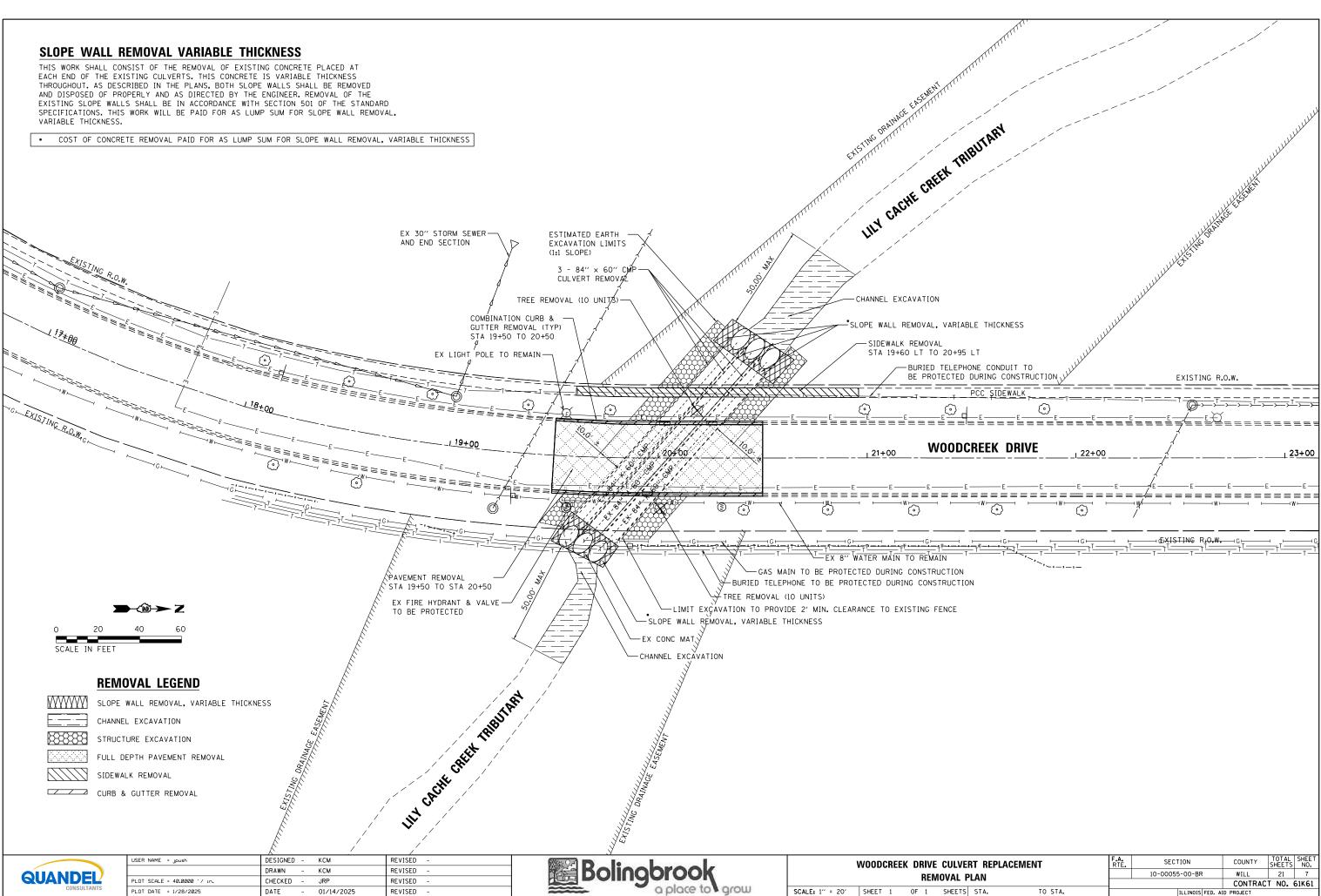
(2) COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.12

(3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"

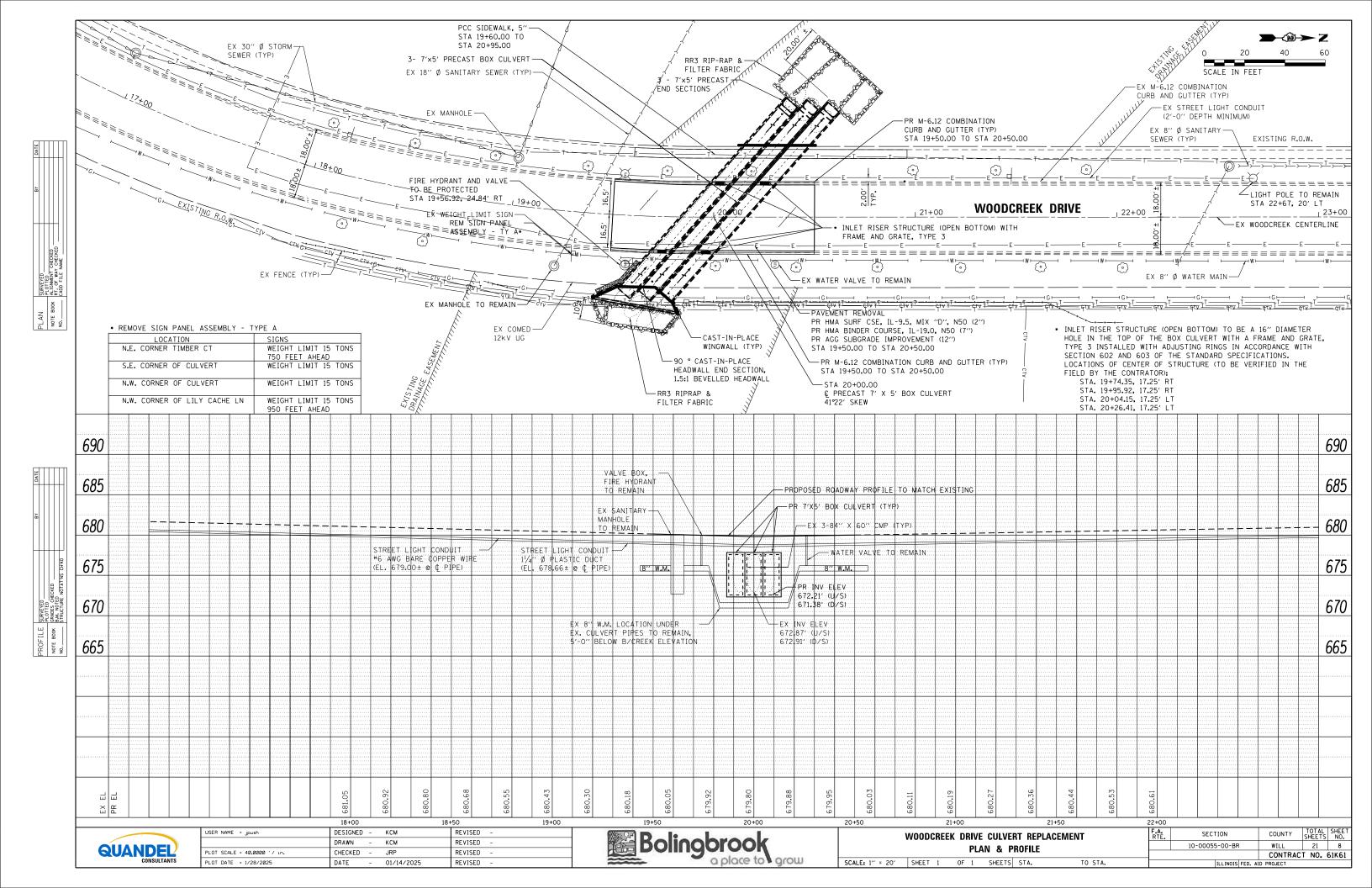
(4) HOT-MIX ASPHALT PAVEMENT RECONSTRUCTION HOT-MIX ASPHALT SURFACE COURSE, IL-9.5. MIX "D", N50 (2") HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 (7")

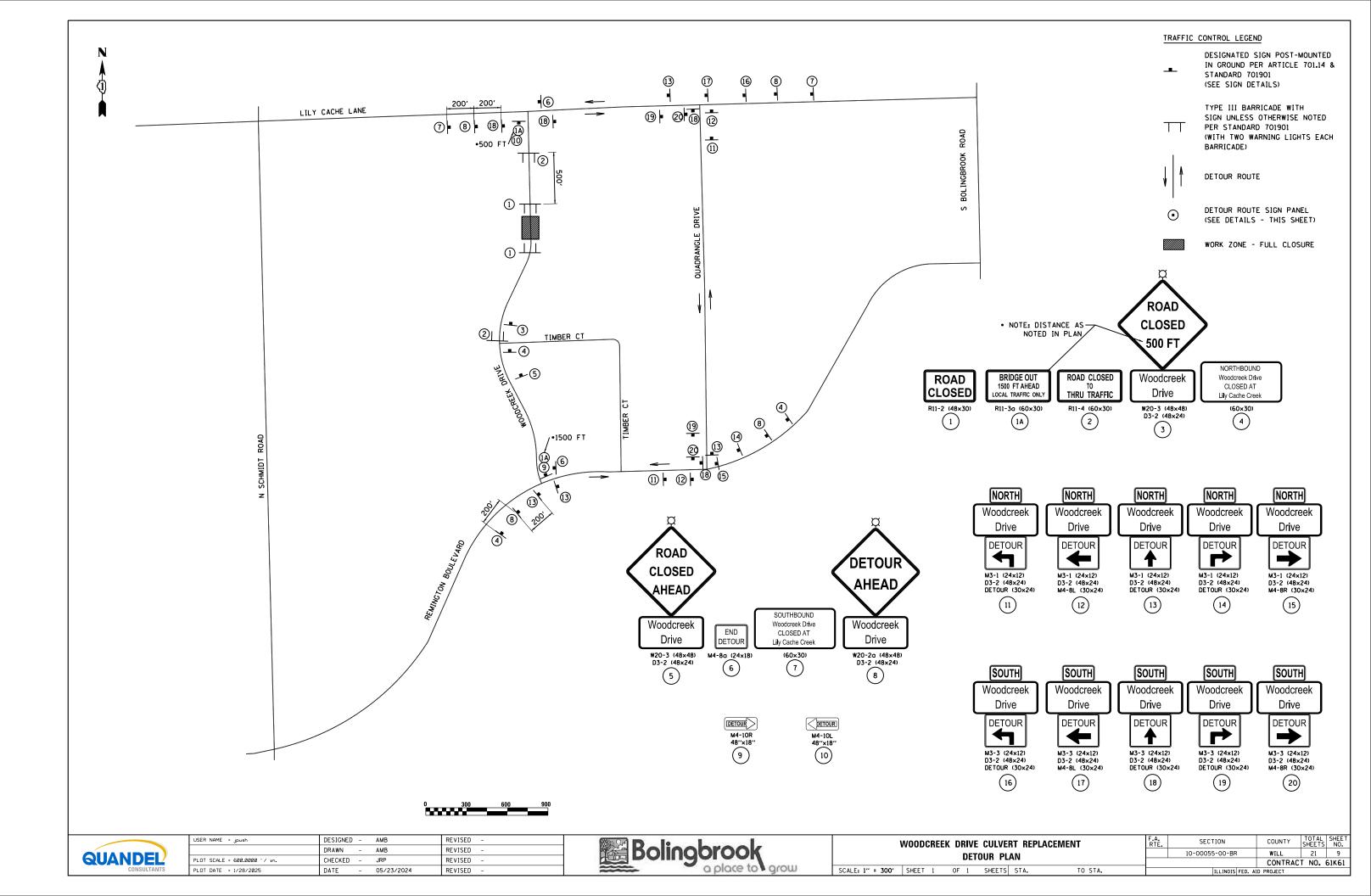
(5) TOPSOIL AND SOD OR SEED (SALT TOLERANT), SEE LANDSCAPING PLANS

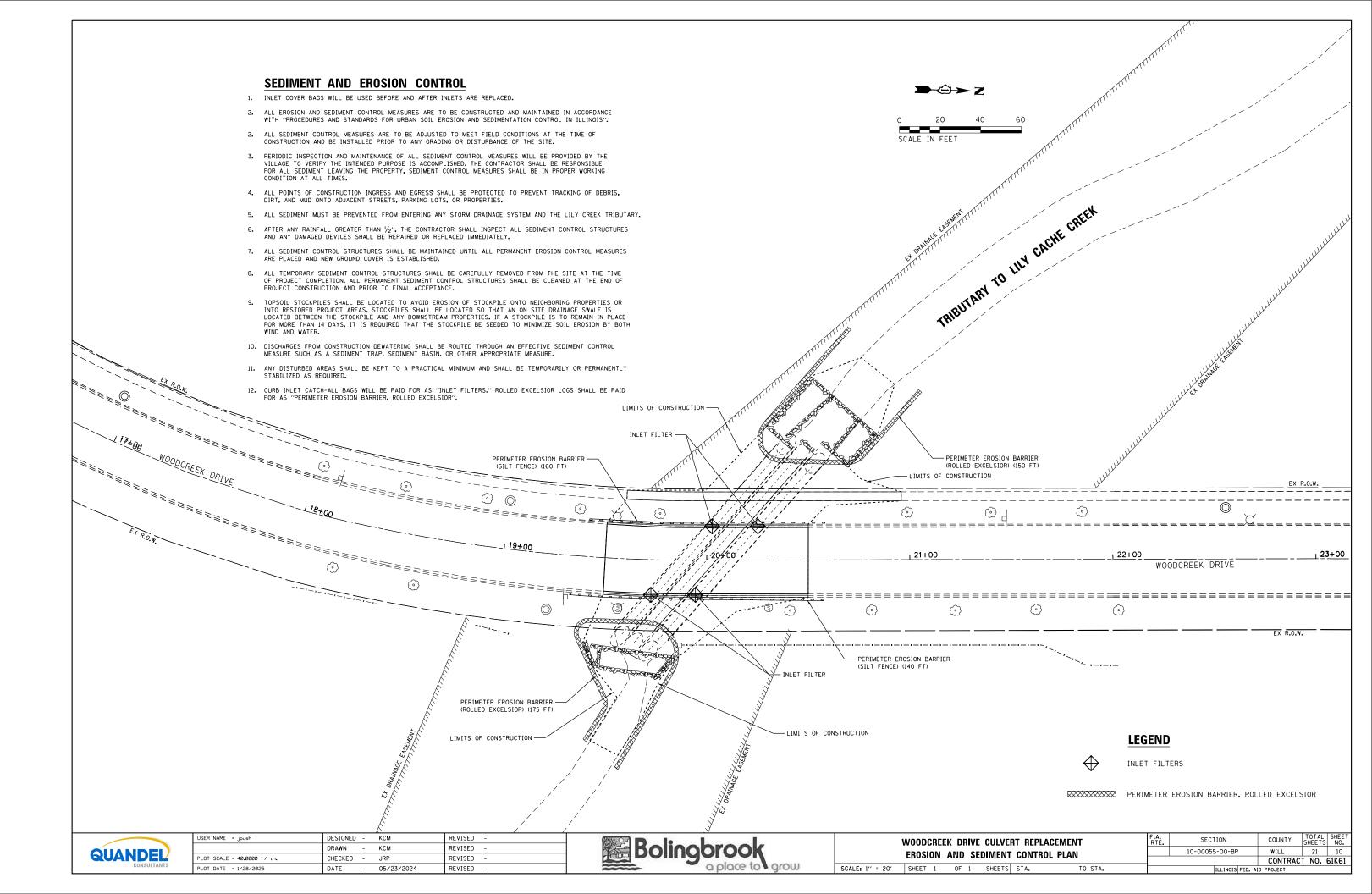
MIXTURES TABLE

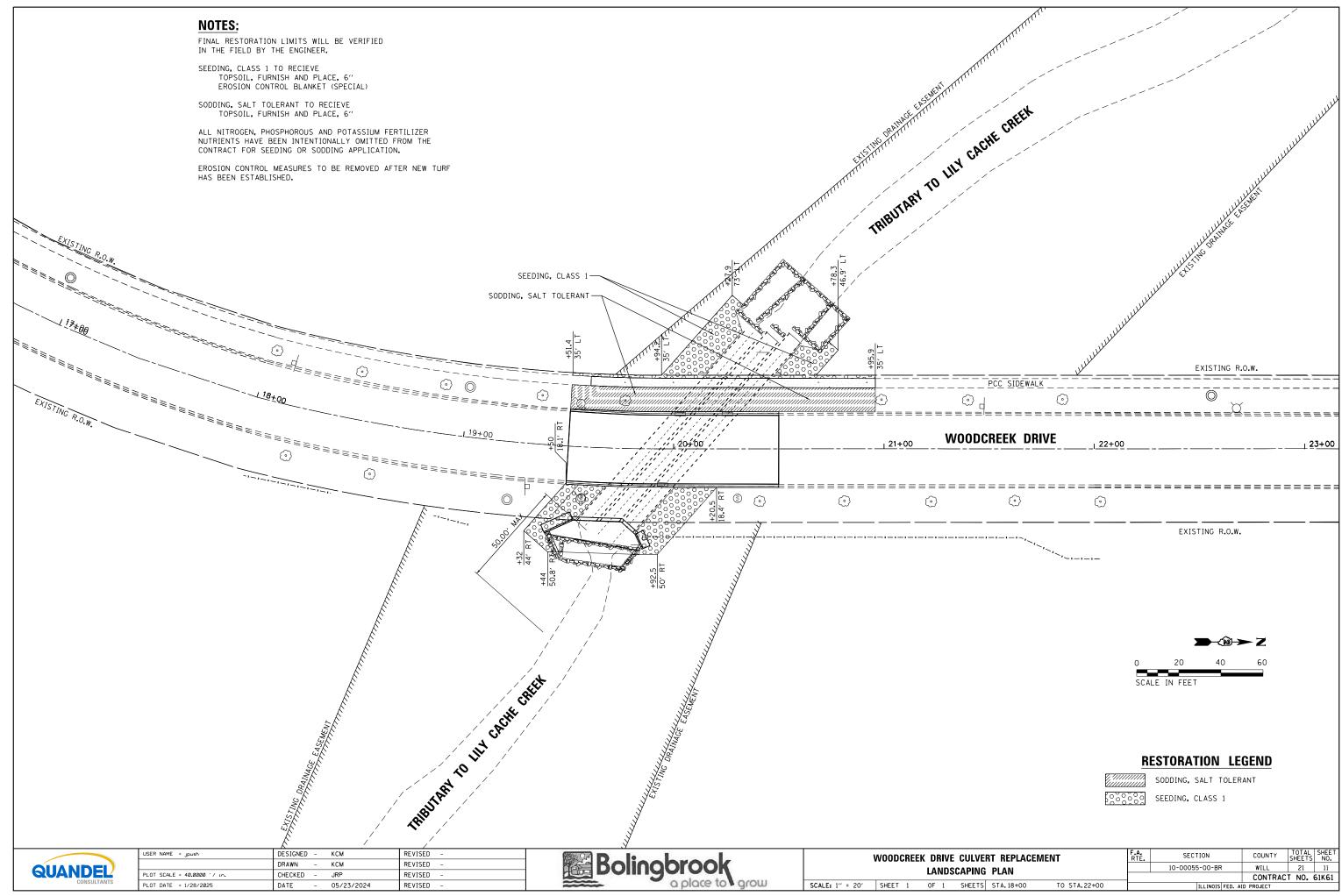


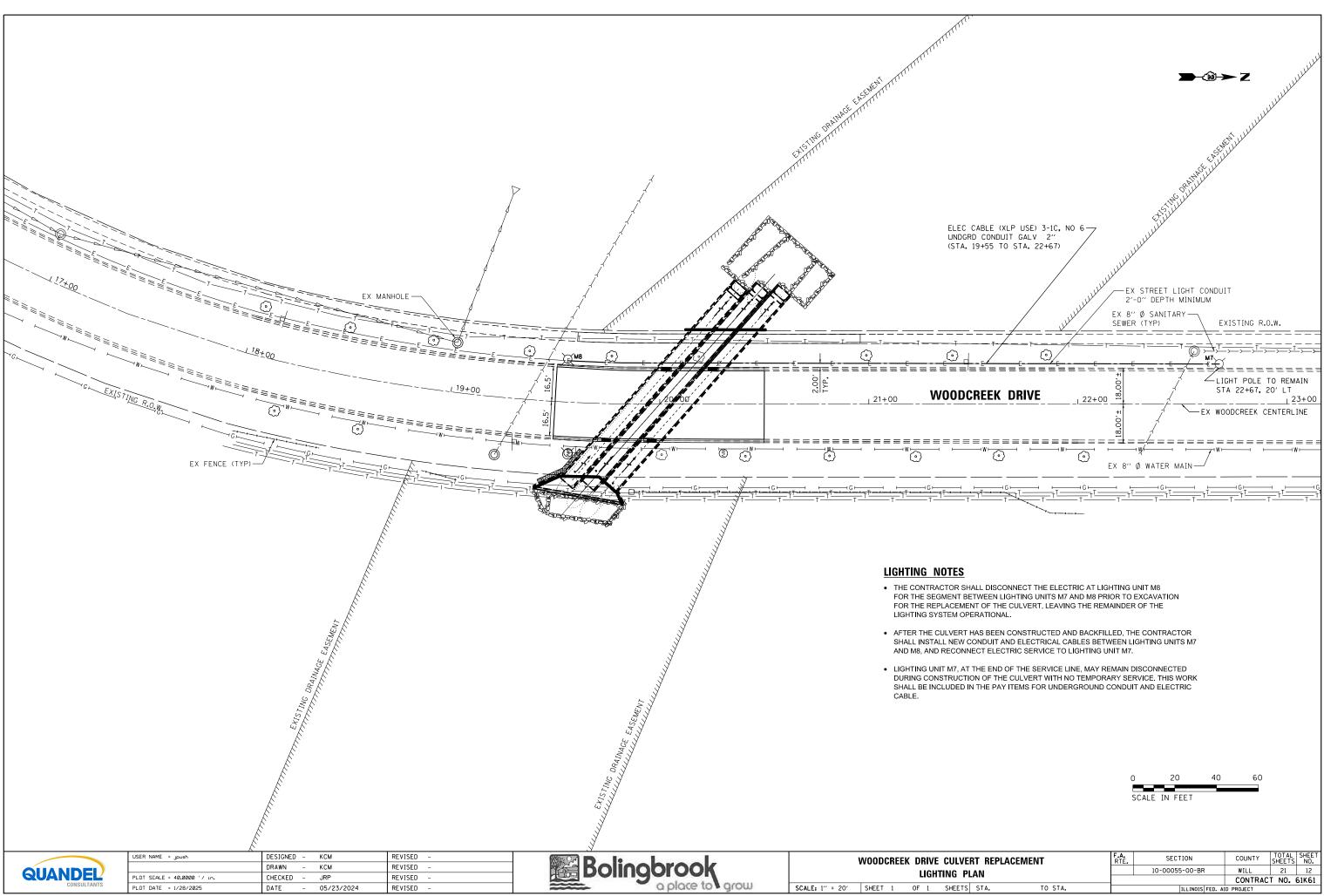
ERT REPLACEMENT			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLAN			10-00055-00-BR	WILL	21	7	
FLAN				CONTRACT NO. 61K6			
S STA.	TO STA.	ILLINOIS FED. AID PROJECT					



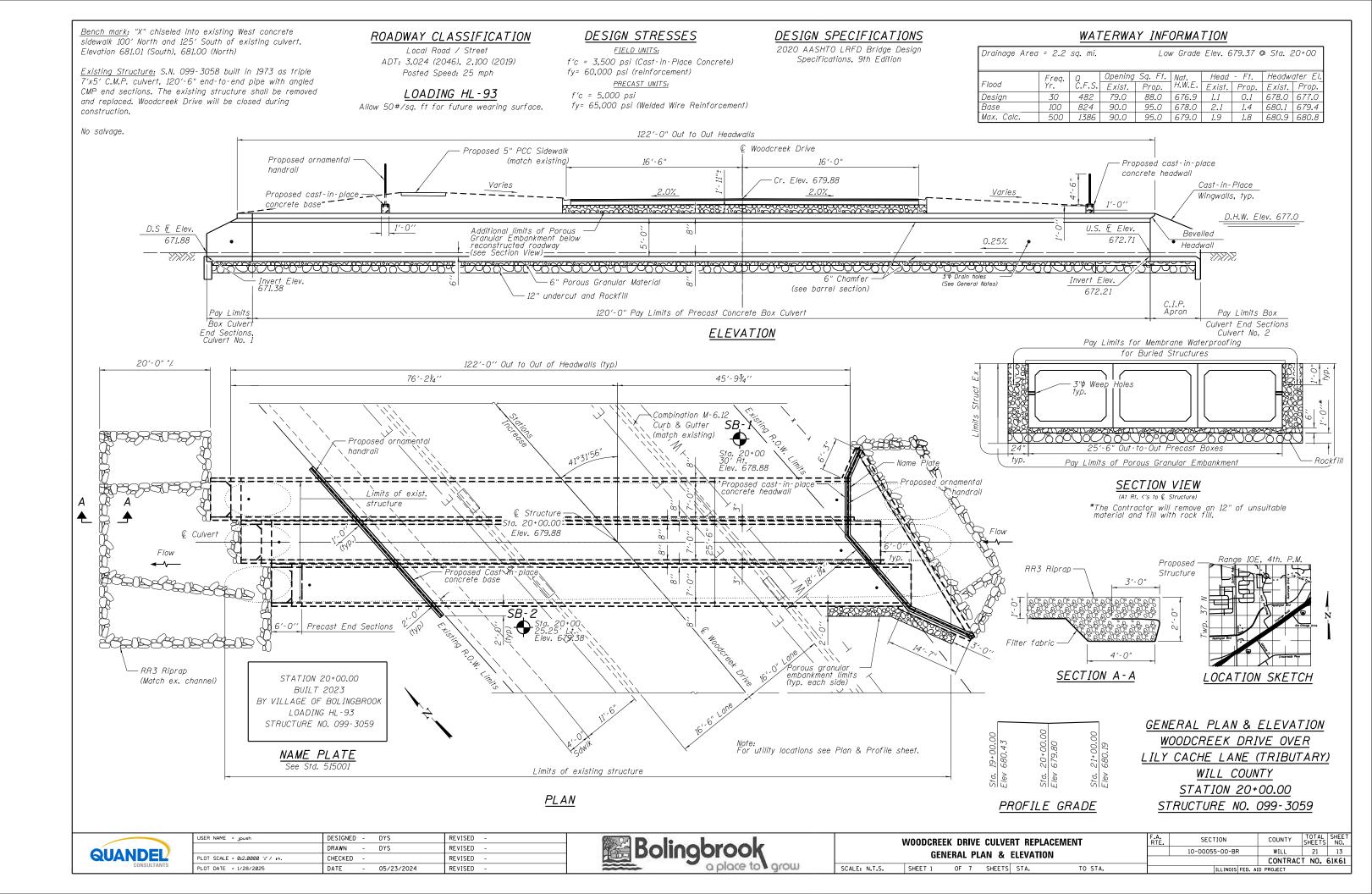


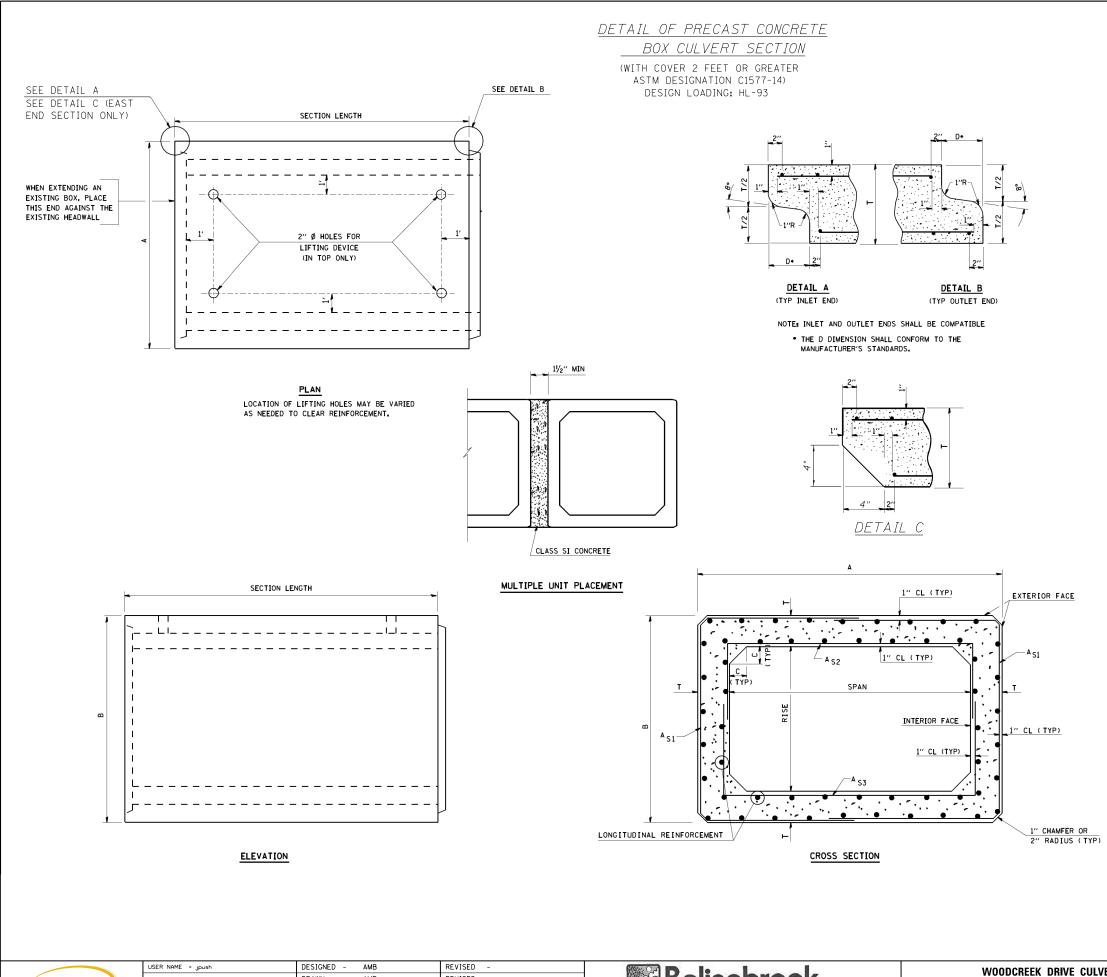






PLAN		10-00055-00-BR			WILL	21	12	
					CONTRAC	T NO.	61K61	
5	STA.	TO STA.		ILLINOIS	FED. AI	D PROJECT		





DRAWN

DATE

CHECKED

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PLOT SCALE = 0:2.0000 ':'/ in.

PLOT DATE = 1/28/2025

QUANDEL

AMB

04/05/2024

REVISED

REVISED

REVISED

Bolingbrook

a place to grow

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 1006.10(A) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH ARTICLE 1055.01 OF THE STANDARD SPEICIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

THE TERMS ASI, AS2, AND AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASTM C1577-14. REINFORCEMENT SHALL BE OF WELDED WIRE FABRIC CONFORMING TO ASTM A1064.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

SPAN X RISE	T (INCHES)	A (FT-IN)	B (FT-IN)	C (INCHES)	SPAN X RISE	T (INCHES)	A (FT-IN)	B (FT-IN)	C (INCHES)
2' X2'	4	2-8	2-8	4	9′ X5′	9	10-6	6-6	9
3′ X2′	4	3-8	2-8	4	9′ X6′	9	10-6	7-6	9
3′ X3′	4	3-8	3-8	4	9′ X7′	9	10-6	8-6	9
4′ X2′	5	4-10	2-10	5	9′ X8′	9	10-6	9-6	9
4′ X3′	5	4-10	3-10	5	9, Xð,	9	10-6	10-6	9
4' X4'	5	4-10	4-10	5					
5' X2'	6	6-0	3-0	6	10' X4'	10	11-8	5-8	10
5' X3'	6	6-0	4-0	6	10' ×5'	10	11-8	6-8	10
5′ X4′	6	6-0	5-0	6	10' X6'	10	11-8	7-8	10
5′ X5′	6	6-0	6-0	6	10' X7'	10	11-8	8-8	10
6' X2'	7	7-2	3-2	7	10' X8'	10	11-8	9-8	10
6' X3'	7	7-2	4-2	7	10' X9'	10	11-8	10-8	10
6' X4'	7	7-2	5-2	7	10' ×10'	10	11-8	11-8	10
6′ X5′	7	7-2	6-2	7					
6' X6'	7	7-2	7-2	7	11' X4'	11	12-10	5-10	11
					11' X6"	11	12-10	7-10	11
					11' ×8'	11	12-10	9-10	11
7' X4'	8	8-4	5-4	8	11' ×10'	11	12-10	11-10	0 11
7' X5'	8	8-4	6-4	8	11' ×11'	11	12-10	12-10	0 11
7' X6'	8	8-4	7-4	8					
7' X7'	8	8-4	8-4	8					
					12' X4'	12	14-0	6-0	12
8′ X4′	8	9-4	5-4	8	12' X6'	12	14-0	8-0	12
8′ X5′	8	9-4	6-4	8	12' X8'	12	14-0	10-0	12
8, XQ,	8	9-4	7-4	8	12' X10'	12	14-0	12-0	12
8' X7'	8	9-4	8-4	8	12' X12'	12	14-0	14-0	12
8′ X8′	8	9-4	9-4	8					

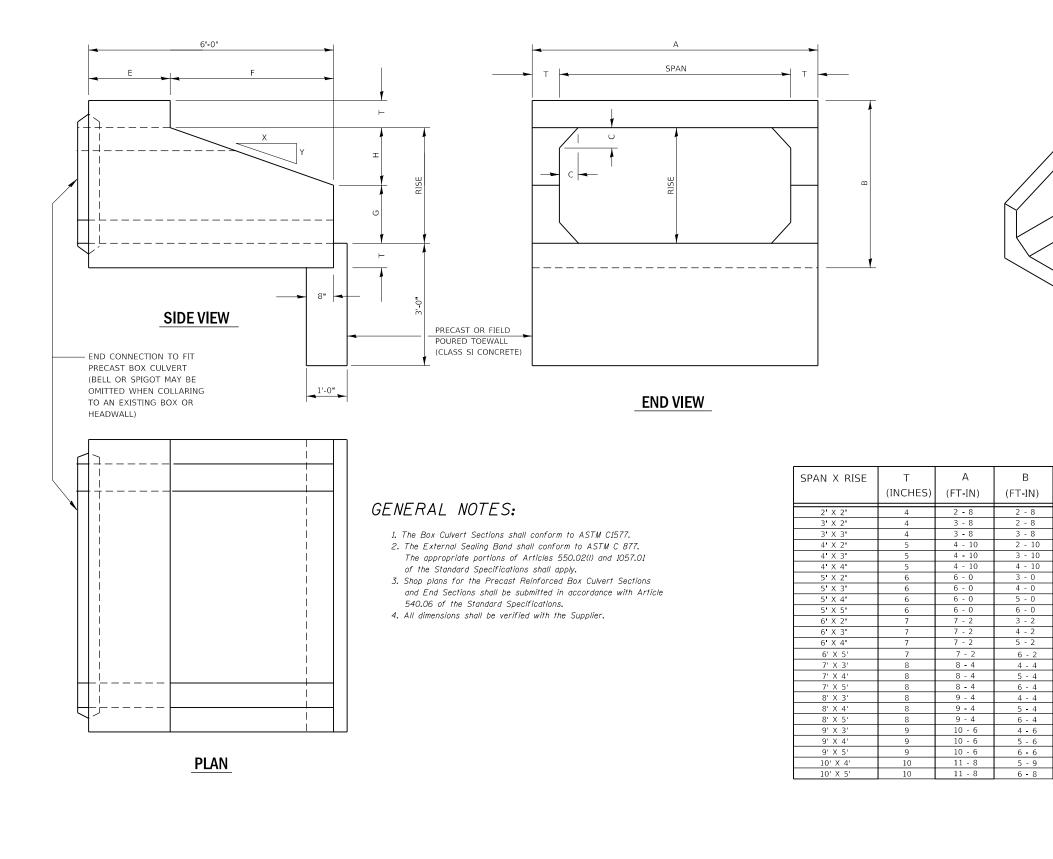
DIMENSIONS

/ERT REPLACEMENT			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
BOX CULVERT			10-00055-00-BR	WILL	21	14		
				CONTRACT NO. 61K61				
IS STA.	TO STA.	ILLINOIS FED. AID PROJECT						

PRECAST CONCRETE

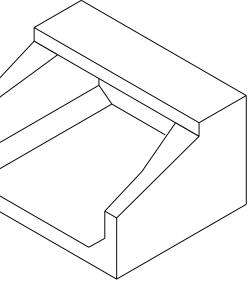
SHEET 2 OF 7 SHEET

SCALE: N.T.S.



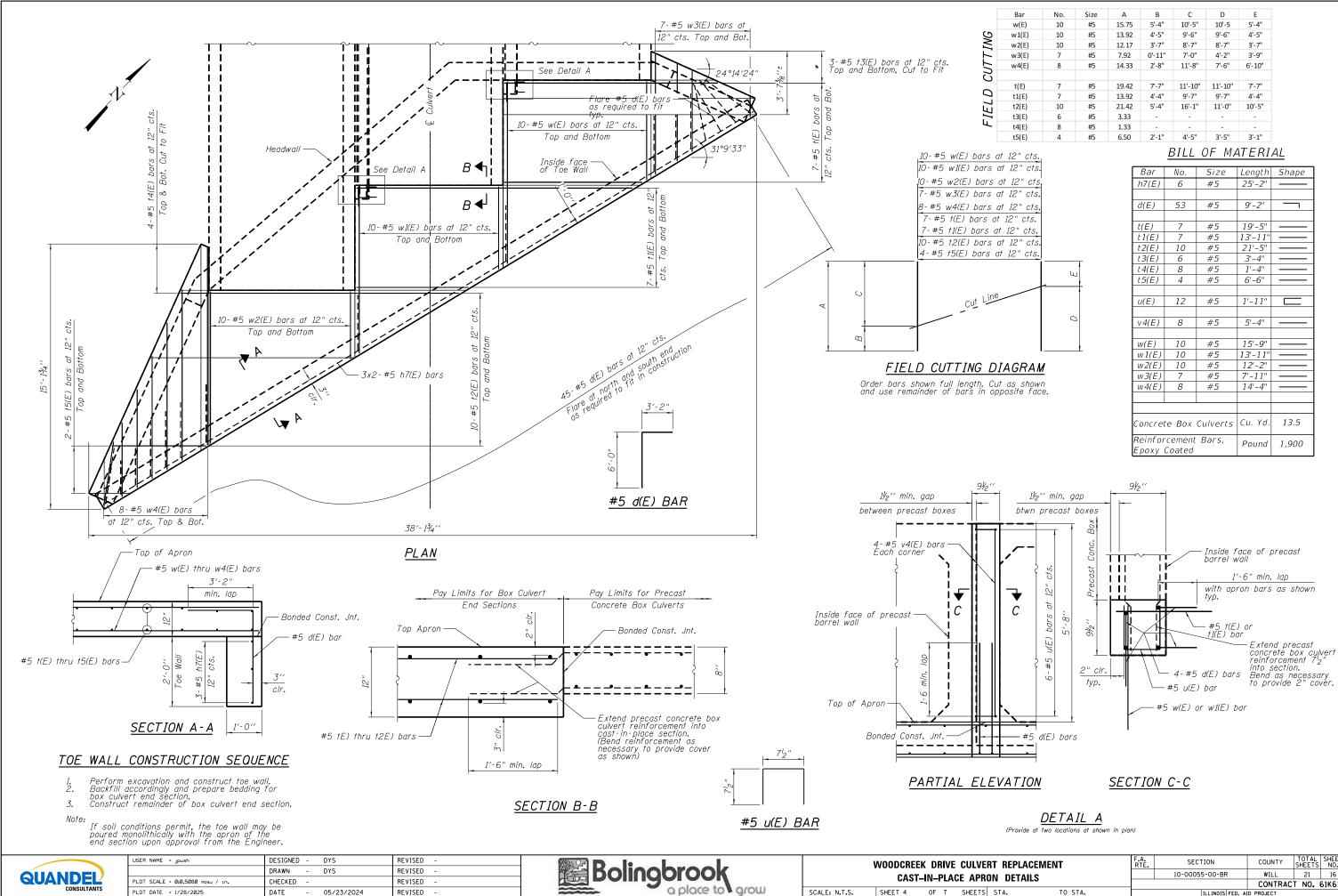
QUANDEL

USER NAME = jpush	DESIGNED – AMB	REVISED -	Beliechrook	WOODCREEK DRIVE CULVERT REPLACEMENT	A. SECTION	COUNTY TOTAL SHEET SHEETS NO.
	DRAWN - AMB	REVISED -	- INCINODIOOK	CONCRETE END SECTIONS, CULVERT NO. 1 DETAILS	10-00055-00-BR	WILL 21 15
PLOT SCALE = 0:1.0000 ':" / in.	CHECKED -	REVISED -		CONCRETE END SECTIONS, COLVERT NO. I DETAILS		CONTRACT NO. 61K61
PLOT DATE = 1/28/2025	DATE - 05/23/2024	REVISED -	a place to grow	SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. TO STA.	ILLINOIS FED. AI	D PROJECT



ISOMETRIC VIEW

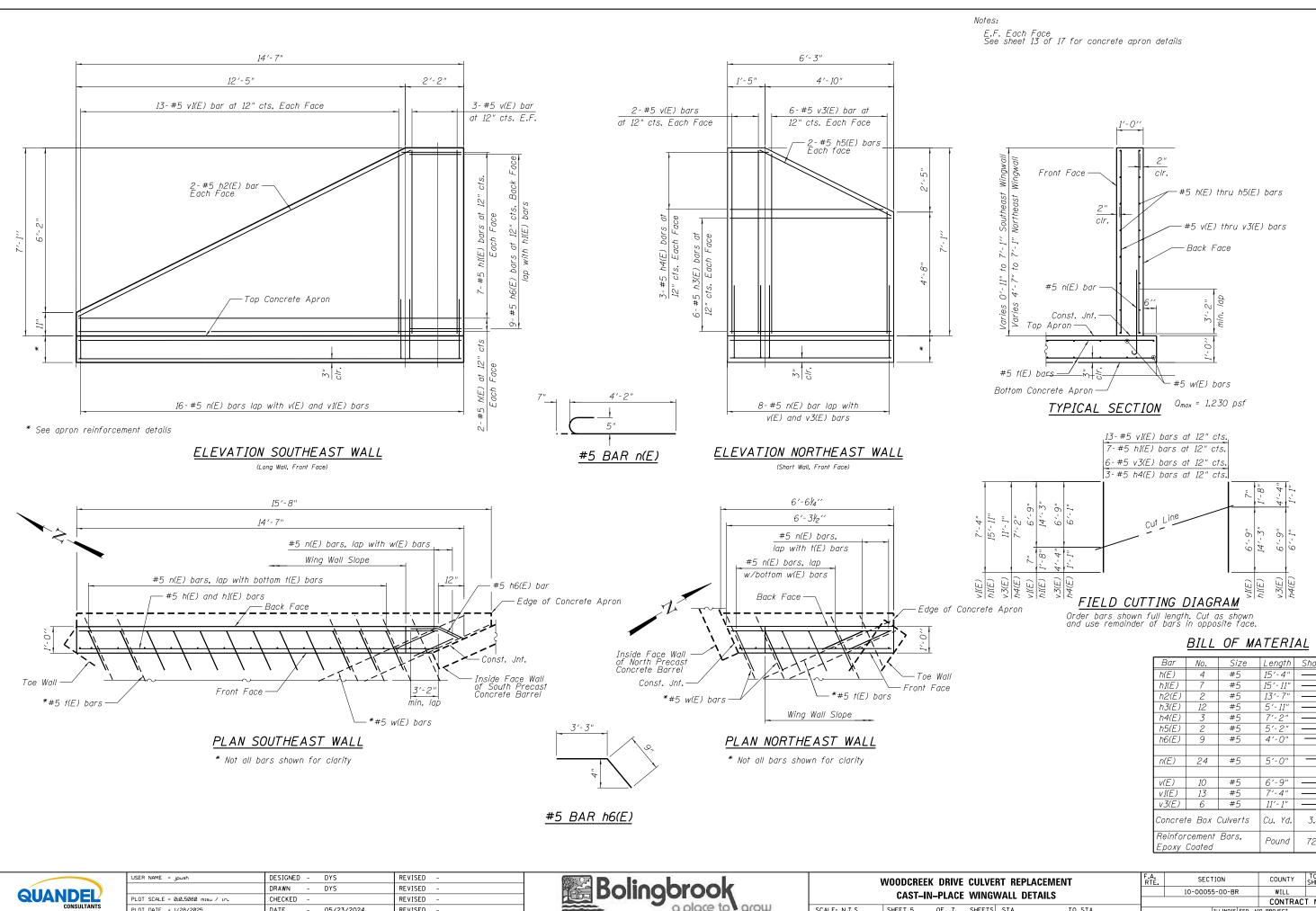
C (INCHES)	E (FT-IN)	F (FT-IN)	G (FT-IN)	H (FT-IN)	SLOPE
4	3 - 0	3 - 0	1 - 0	1 - 0	3:1
4	3 - 0	3 - 0	1 - 0	1 - 0	3:1
4	2 - 0	4 - 0	1 - 8	1 - 4	3:1
5	3 - 0	3 - 0	1 - 0	1 - 0	3:1
5	2 - 0	4 - 0	1 - 8	1 - 4	3:1
5	2 - 0	4 - 0	2 - 0	2 - 0	2:1
6	3 - 0	3 - 0	1 - 0	1 - 0	3:1
6	2 - 0	4 - 0	1 - 8	1 - 4	3:1
6	2 - 0	4 - 0	2 - 0	2 - 0	2:1
6		4 - 0	3 - 0	2 - 0	2:1
7	3 - 0	3 - 0	1 - 0	1 - 0	3:1
7	2 - 0	4 - 0	1 - 8	1 - 4	3:1
7	2 - 0	4 - 0	2 - 0	2 - 0	2:1
7		4 - 0	3 - 0	2 - 0	2:1
8		4 - 0	1 - 8	1 - 4	3:1
8		4 - 0	2 - 0	2 - 0	2:1
8		4 - 0	3 - 0	2 - 0	2:1
8		4 - 0	1 - 8	1 - 4	3:1
8		4 - 0	2 - 0	2 - 0	2:1
8		4 - 0	3 - 0	2 - 0	2:1
9		4 - 0	1 - 8	1 - 4	3:1
9		4 - 0	2 - 0	2 - 0	2:1
9		4 - 0	3 - 0	2 - 0	2:1
10		4 - 0	2 - 0	2 - 0	2:1
10		4 - 0	3 - 0	2 - 0	2:1



	Bar	No.	Size	А	В	С	D	E
	w(E)	10	#5	15.75	5'-4"	10'-5"	10'-5	5'-4"
3	w1(E)	10	#5	13.92	4'-5"	9'-6"	9'-6"	4'-5"
CUI 1 1NG	w2(E)	10	#5	12.17	3'-7"	8'-7"	8'-7"	3'-7"
~	w3(E)	7	#5	7.92	0'-11"	7'-0"	4'-2"	3'-9"
21	w4(E)	8	#5	14.33	2'-8"	11'-8"	7'-6"	6'-10"
3								
	t(E)	7	#5	19.42	7'-7"	11'-10"	11'-10"	7'-7"
וב	t1(E)	7	#5	13.92	4'-4"	9'-7"	9'-7"	4'-4''
	t2(E)	10	#5	21.42	5'-4"	16'-1"	11'-0"	10'-5"
רוברו	t3(E)	6	#5	3.33	-	-	-	-
۴.	t4(E)	8	#5	1.33	-	-	-	-
	t5(E)	4	#5	6.50	2'-1"	4'-5"	3'-5"	3'-1"

	<u>BILL</u>	OF MA	ATERI	<u>AL</u>
Bar	No.	Size	Length	Shape
h7(E)	6	#5	25'-2"	
d(E)	53	#5	9'-2"	
			1.01 54	
t(E)	7	#5	19'-5" 13'-11"	
t1(E)	,	1		
t2(E)	10	#5	21'-5"	
t3(E)	6	#5	3'-4"	
t4(E)	8	#5	1'-4"	
t5(E)	4	#5	6'-6"	
(5)				
u(E)	12	#5	1'-11''	
	0	<i></i>	EI AII	
v4(E)	8	#5	5'-4"	
w(E)	10	# E	15'-9"	
W(E)	10 10	#5 #5	13'-11"	
w1(E) w2(E)	10	#5	12'-2"	
w3(E)	7	#5	7'-11"	
$w_{4(E)}$	8	#5	7 - 11 14'-4"	
VV 4(L)	0	#J	14-4	
Concret	te Box	Culverts	Cu. Yd.	13.5
Reinfor Epoxy	cement Coated	Pound	1,900	

/ERT REPLACEMENT PRON DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
				10-00055-00-BR	WILL	21	16			
m		IN DETAILS CONTRACT NO. 6			61K61					
٢S	STA.	TO STA.		ILLINOIS FED. AID PROJECT						



PLOT DATE = 1/28/2025

DATE

- 05/23/2024

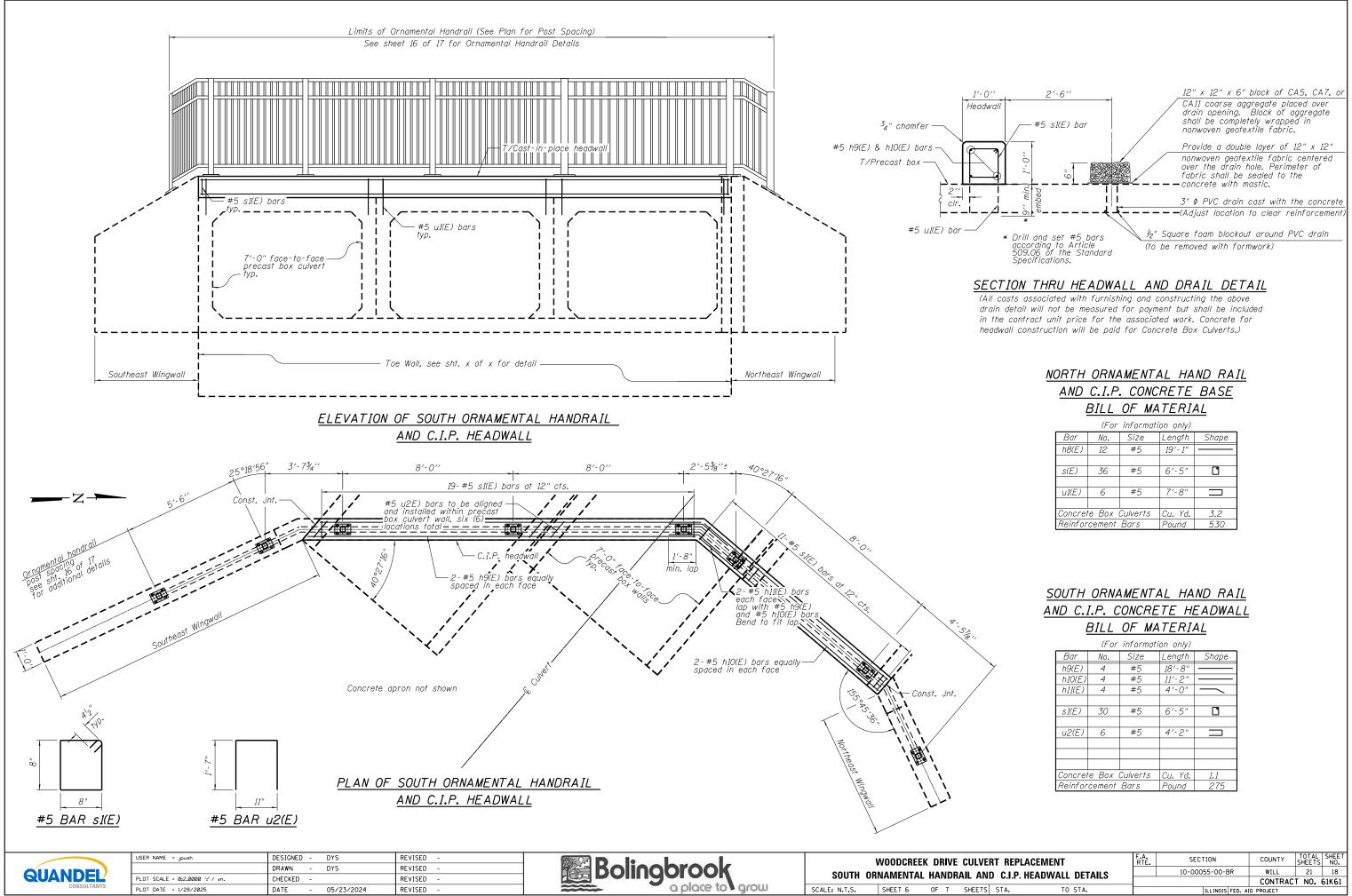
REVISED

a place to grow SCALE: N.T.S.

SHEET 5 OF 7 SHEET

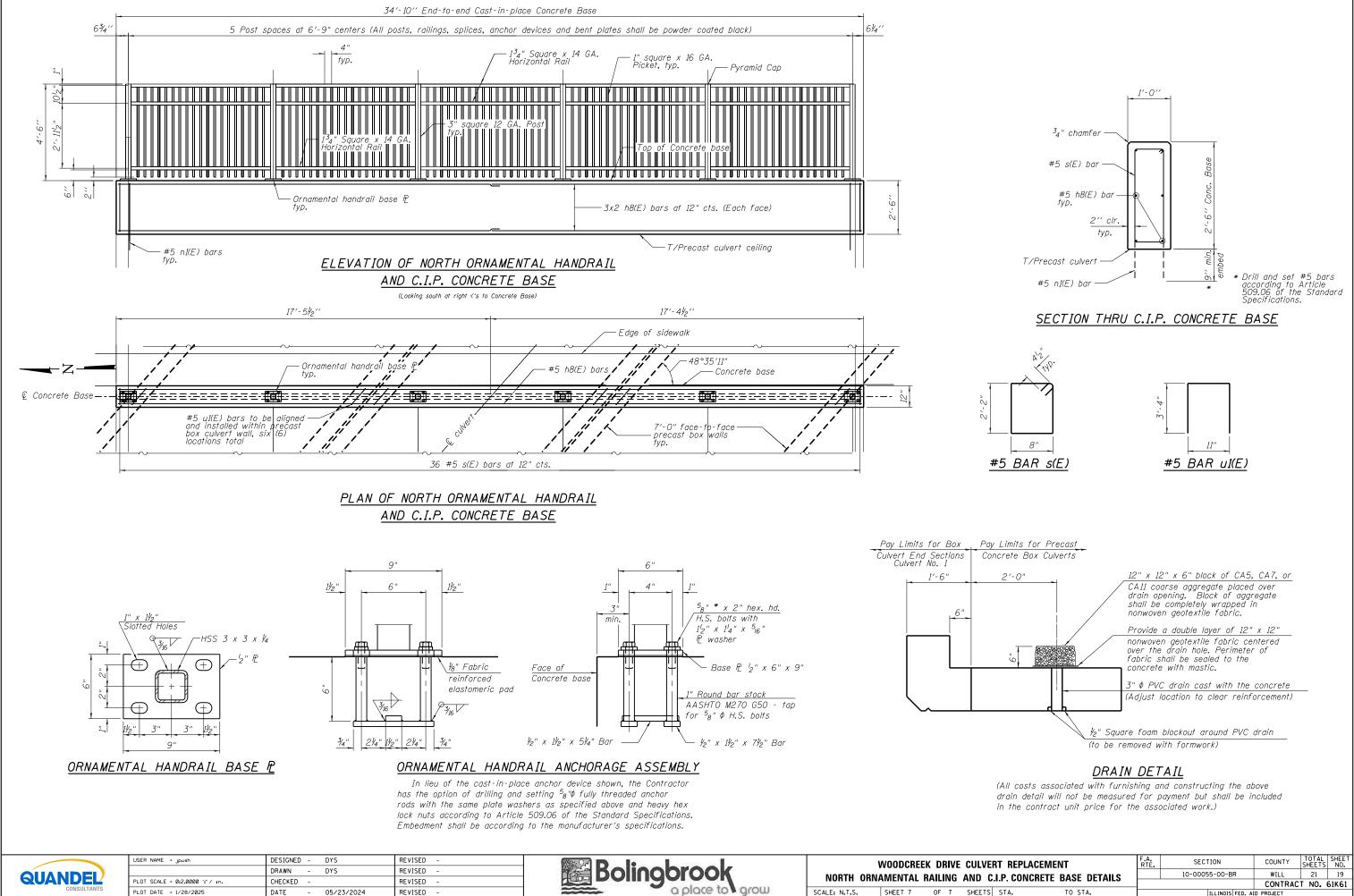
Bar	No.	Size	Length	Shape
h(E)	4	#5	15′-4″	
h1(E)	7	#5	15'-11"	
h2(E)	2	#5	13'-7"	
h3(E)	12	#5	5′-11″	
h4(E)	3	#5	7'-2"	
h5(E)	2	#5	5'-2"	
h6(E)	9	#5	4'-0"	
n(E)	24	#5	5'-0"	
v(E)	10	#5	6'-9"	
v1(E)	13	#5	7'-4"	
v3(E)	6	#5	11'-1"	
Concrei	te Box	Cu. Yd.	3.9	
Reinfor Epoxy	rcement Coated	Pound	725	

/EF	/ERT REPLACEMENT			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
GWALL DETAILS			10-00055-00-BR	WILL	21	17				
uv					CONTRACT NO. 61K6					
ſS	STA.	TO STA.		ILLINOIS FED. AID PROJECT						

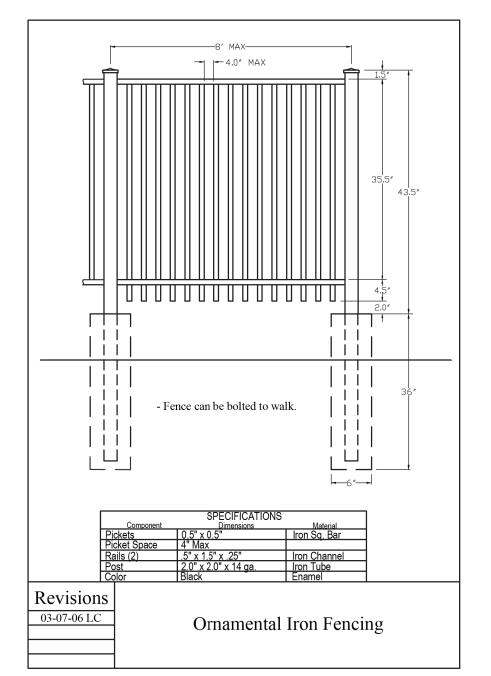


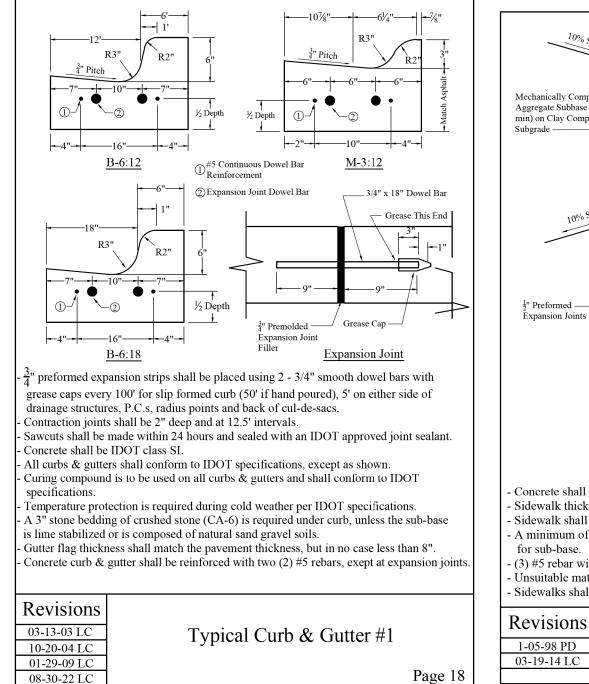
	(For	informati	on only)	
Bar	No.	Size	Length	Shape
h9(E)	4	#5	18′-8″	
h10(E)	4	#5	11'-2"	
h11(E)	4	#5	4'-0"	(
s1(E)	30	#5	6′-5″	ľ
u2(E)	6	#5	4'-2"	
Concret	te Box i	Cu. Yd.	1.1	
Reinfor	cement	Bars	Pound	275

VERT REPLACEMENT F.A. SECTION COUNTY TOTAL SHE										
	/ERT REPLACEMENT			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ND C.I.P. HEADWALL DETAILS 10-00055-00-BR WILL 21 1				10-00055-00-BR	WILL	21	18			
CONTRACT NO. 61K			_		CONTRAC	T NO.	61K61			
TS STA. TO STA. ILLINOIS FED. AID PROJECT	IS STA.	TO STA.		ILLINOIS FED. AID PROJECT						



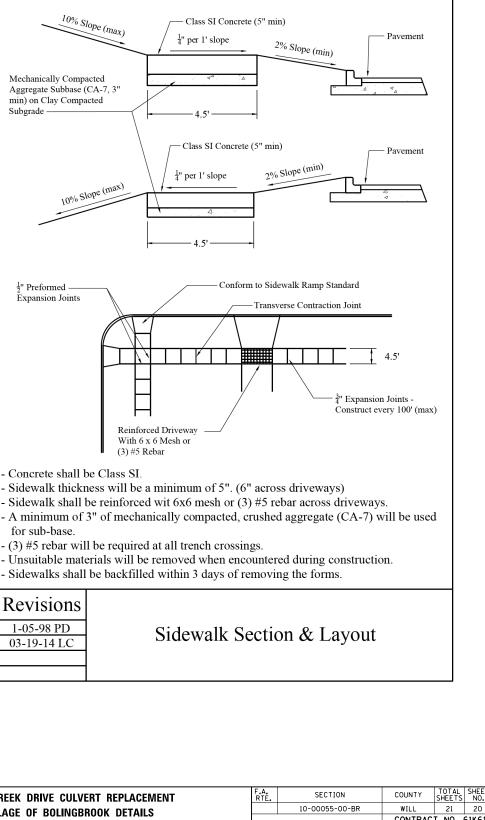
/EF	ERT REPLACEMENT		RTE				COUNTY	SHEETS	NO.
r	C.I.P. CONCRETE BASE DETAILS			10-00055-00-BR		WILL	21	19	
C.I.F. CONCRETE DASE DETAILS						CONTRAC	T NO.	61K61	
ſS	STA.	TO STA.		ILL	.INOIS	FED. AI	D PROJECT		



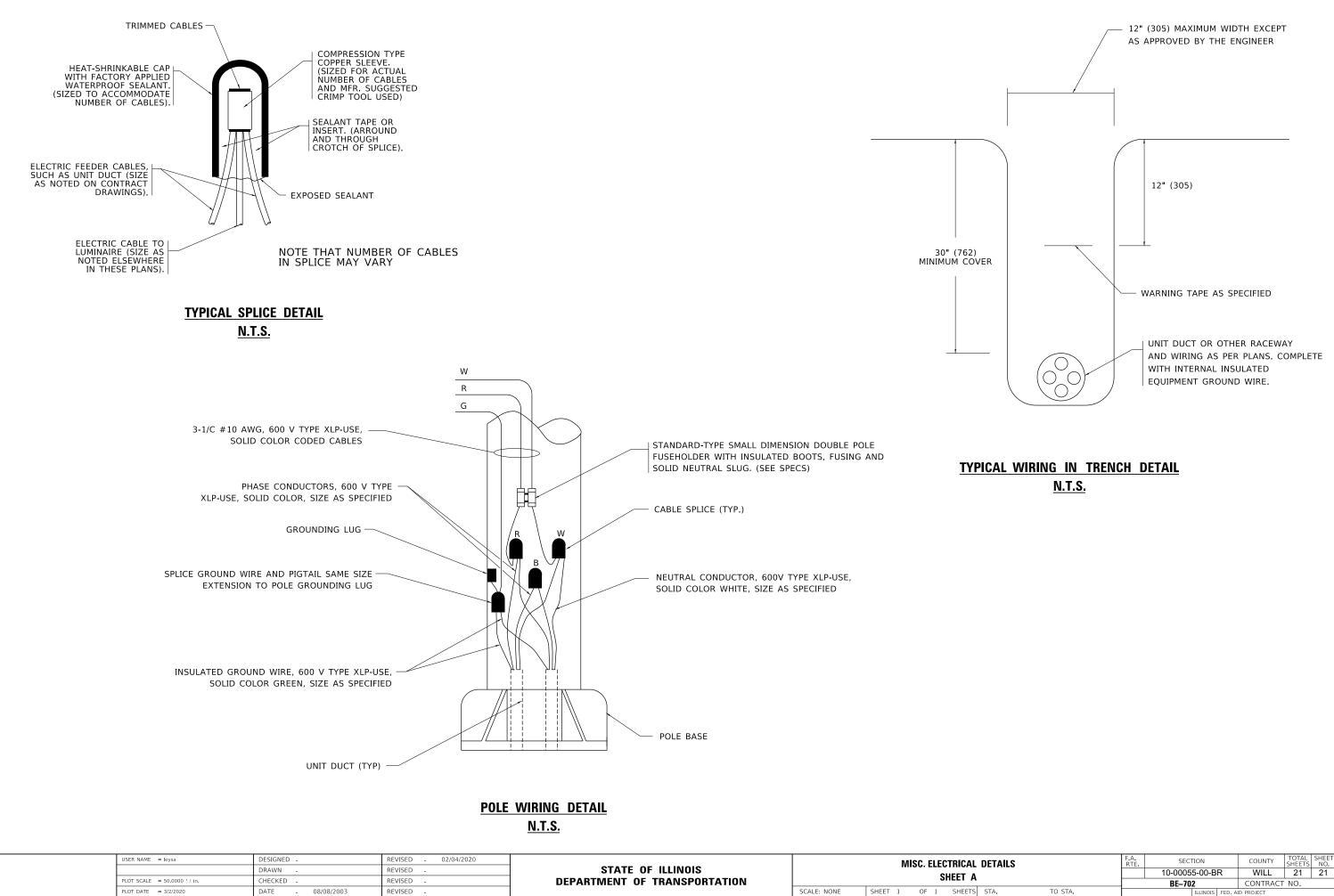




USER NAME = jpush	DESIGNED - DYS	REVISED -		WOODCREEK DRIVE CULVERT VILLAGE OF BOLINGBROO				
	DRAWN - DYS	REVISED -	Bolinobrook					
PLOT SCALE = 0:0.5080 m:su / in.	CHECKED – JRP	REVISED -	Doningoroon		VILLAGE OF	ROTINGR	10	
PLOT DATE = 1/28/2025	DATE - 05/23/2024	REVISED -	a place to grow	SCALE:	SHEET 1 OF 1	1 SHEETS	<u>ن</u> ز	



ROOK DETAILS		10-00055-00)-RK		WILL	21		20	
						CONTRAC	T NO	. (61K61
5	STA.	TO STA.	ILLIN	10IS	FED. AI	D PROJECT			



AL DETAILS			F.A. RTE	SECTION			COUNTY	TOTAL SHEET SHEETS NO.		
				10-00055-00-BR		WILL	21	21		
				BE-702 CONT			CONTRACT	CT NO.		
TS	STA.	TO STA.			ILLINOIS FE	D. A	ID PROJECT			