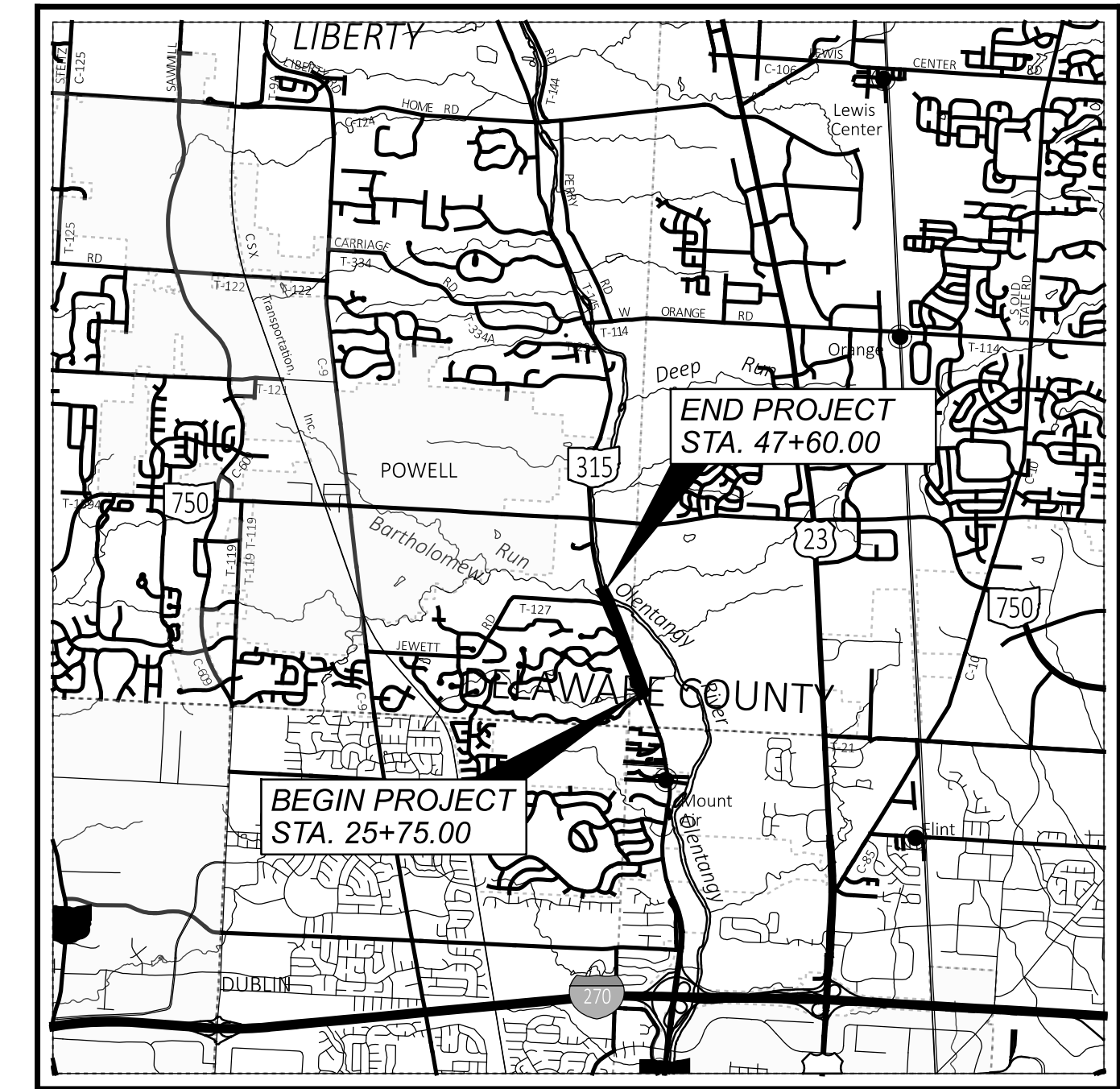




LOCATION MAP

LATITUDE: 40 °08'56" LONGITUDE: 83 °02'36"



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
STATE ROUTES	
COUNTY ROADS	
TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

	S.R. 315	JEWETT RD.
CURRENT ADT (2023)	21,800	4690
DESIGN YEAR ADT (2043)	26,620	6170
DESIGN HOURLY VOLUME (2043)	2,400	560
DIRECTIONAL DISTRIBUTION	59%	65%
TRUCKS (24 HOUR B&C)	5%	2%
DESIGN SPEED	45 MPH	45 MPH
LEGAL SPEED	45 MPH	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	04 MINOR ARTERIAL (URBAN)	05 MAJOR COLLECTOR (URBAN)
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:



WSP USA, Inc.
2 Miranova Pl,
Suite 450
Columbus, OH 43215

ENGINEER'S SEAL

ROADWAY



ANDREW B. SCHETTER
E-71848

Digitally signed by Andrew Schetter
Date: 2026.08.03 16:48:45 -04'00'

ENGINEER'S SEAL

BRIDGE



PATRICK LAUX
E-90689

Digitally signed by Patrick Laux
Date: 2026.08.03 15:28:37 -05'00'

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

DEL-315-0.86

PART 1

LIBERTY TOWNSHIP

DELAWARE COUNTY

FOR PART 2, SEE DEL-750-6.65

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2 - P.4
TYPICAL SECTIONS	P.5 - P.9
GENERAL NOTES	P.10 - P.13
MAINTENANCE OF TRAFFIC	P.14 - P.20
GENERAL SUMMARY	P.21 - P.24
SUB-SUMMARIES	P.25 - P.29
PROJECT SITE PLAN	P.30 - P.31
S.R. 315 - PLAN & PROFILE	P.32 - P.40
ABBOTSFORD GREEN DR. - PLAN & PROFILE	P.41
BRIARCLIFFE DR. - PLAN & PROFILE	P.42
JEWETT RD. - PLAN & PROFILE	P.43
S.R. 315 - CROSS SECTIONS	P.44 - P.63
ABBOTSFORD GREEN DR. - CROSS SECTIONS	P.64 - P.65
BRIARCLIFFE DR. - CROSS SECTIONS	P.66 - P.67
JEWETT RD. - CROSS SECTIONS	P.68 - P.69
INTERSECTION DETAILS	P.70 - P.72
DRIVE DETAILS	P.73 - P.75
STORM SEWER PROFILES	P.76 - P.85
CULVERT DETAIL	P.86
TRAFFIC CONTROL	P.87 - P.98
LIGHTING	P.99 - P.103
STRUCTURE PLAN (DEL-315-0087)	P.104 - P.111
GEOTECHNICAL PROFILES	P.112 - P.118

FEDERAL PROJECT NUMBER

E191338

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RE-CONSTRUCTION OF 0.41 MILES OF S.R. 315 FROM ABBOTSFORD GREEN DR. TO JEWETT RD. INCLUDING A NEW MINI-ROUNDBOUT AT JEWETT ROAD. WORK INCLUDES WIDENING OF S.R. 315 RECONSTRUCTION OF VARIOUS LOCAL ROAD INTERSECTIONS, DRAINAGE IMPROVEMENTS, LIGHTING, TRAFFIC CONTROL, AND EXTENSION OF BARTHOLOMEW RUN BOX CULVERT.

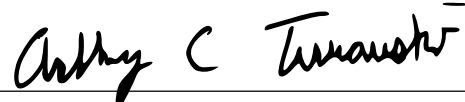
EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.71 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.90 ACRES

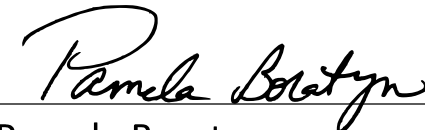
2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEARBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEET P.14, AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.



Anthony C. Turowski, P.E.
District 06 Deputy Director



Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS									SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	1/19/2024	MH-3	7/19/2024	HL-10.11	7/17/2026	TC-41.20	10/18/2013	MT-95.31	7/17/2026	SS 800 1/16/2026
BP-3.2	1/18/2019			HL-10.12	7/21/2023	TC-41.30	4/21/2023	MT-95.32	7/17/2026	SS 813 7/21/2023
BP-4.1	7/19/2013	HW-2.1	7/15/2022	HL-10.13	7/17/2026	TC-42.20	10/18/2013	MT-97.10	7/18/2025	SS 825 7/19/2025
BP-5.1	1/16/2026	HW-2.2	7/20/2018	HL-20.11	7/18/2025	TC-52.10	10/18/2013	MT-101.60	1/17/2025	SS 832 7/18/2025
				HL-30.11	7/17/2026			MT-105.10	1/17/2020	SS 878 1/16/2026
MGS-2.1	1/16/2026	RM-1.1	1/16/2026	HL-30.21	4/17/2020	TC-52.20	7/17/2026			SS 913 4/16/2021
MGS-2.3	7/18/2025	RM-3.1	7/20/2018	HL-30.22	1/17/2025	TC-61.30	7/19/2024			
MGS-4.2	7/17/2026	RM-4.2	7/17/2026	HL-40.20	7/18/2025	TC-65.11	7/17/2026			SPECIAL PROVISIONS
MGS-5.2	7/15/2016			HL-60.11	7/21/2017	TC-71.10	7/17/2026			ENVIRONMENTAL 8/3/2026
MGS-5.3	7/15/2016	DM-1.1	1/17/2025	HL-60.31	1/16/2026					
		DM-1.2	1/17/2025							
CB-2-2B	7/18/2024	DM-4.3	1/15/2016							PERMITS
CB-2-3	7/19/2024	DM-4.4	1/15/2016							
CB-3	7/17/2026									
CB-3A	7/17/2026	WQ-1.2	1/15/2016							

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OH 43230
ROBERT E MATTHEWS, 740-647-2080
REMATTHEWS@AEP.COM

COLUMBIA GAS OF OHIO
3550 JOHNNY APPESEED COURT
COLUMBUS, OH 43231
SETH LAWHON, 614-203-1720
SLAWHON@NISOURCE.COM

AT&T ENGINEERING
8372 E BROAD ST
REYNOLDSBURG, OH 43068
HEATH BULLOCK, 614-208-6534
HB4187@ATT.COM

MCI (VERIZON BUSINESS) XO, NEXTLINK
7575 COMMERCE CT
LEWIS CENTER, OH 43025
BRIAN ANSEL, 216-346-2051
BRIAN.ANSEL@VERIZON.COM

SPECTRUM
3760 INTERCHANGE DR
COLUMBUS, OH 43204
ERNIE ATWELL, 614-481-5066
ERNEST.ATWELL@CHARTER.COM

GLO FIBER BUSINESS
1123 GOODALE BLVD, SUITE 550
COLUMBUS, OH 43212
STACIE STEARNS, 614-592-2444
STACIE.STEARNS@GLOFIBER.COM

DEL-CO WATER COMPANY, INC.
6773 OLENTANGY RIVER RD.
DELAWARE, OH 43015
DAVE WOLF, 740-201-0130
DWOLF@DELCOWATER.COM

DELAWARE COUNTY
SANITARY ENGINEERS
1610 STATE ROUTE 521, P.O. BOX 8006
DELAWARE, OH 43015
JULIE MCGILL, 740-833-2255
JMGILL@CO.DELAWARE.OH.US

ZAYO GROUP (CROWN CASTLE)
TWO EASTON OVAL #425
COLUMBUS, OH 43219
JESSICA MILLER
JESSICA@POPENTERPRISES.NET

BLUEBIRD FIBER
240 N 5TH ST, SUITE 168
COLUMBUS, OH 43215
SUBHI SALEH, 614-558-7002
SUBHI.SALEH@BLUEBIRDFIBER.COM

UTILITIES (CONT.)

ALTAFIBER
209 WEST 7TH STREET
CINCINNATI, OH 45202
ALLEN FRIERSON, 513-203-0263
CBTPERMITS@TEAMSIGNA.COM

SURVEYING PARAMETERS - OHIO STATE PLANE (NORTH/SOUTH)
PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING FOR ALL SURVEYING

PROJECT CONTROL
POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: B

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD 83 (2011)
ELLIPSOID: GRS 80
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH OHIO
ORIGIN OF COORDINATE SYSTEM 0,0
PROJECTION SCALE FACTOR: 1.00003588 (PRJ. IS IN GROUND COORDINATES)

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS. 623.

UNITS ARE IN U.S. SURVEY FEET

MONUMENT ASSEMBLIES
CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. RW.4 AND RW.5 OF THE RIGHT OF WAY PLANS.

EXISTING PLANS
EXISTING PLANS ENTITLED DEL-315-0.86 MAY BE INSPECTED IN THE ODOT DISTRICT 6 OFFICE IN DELAWARE.

FENCE LENGTHS
THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7 P.M. AND 7 A.M. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

CLEARING AND GRUBBING
REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	0	144	144
30"	0	19	19
48"	0	5	5
60"	0	0	0

UTILITY POLE BRACING
WHEN A TRENCH OR EXCAVATION IS CLOSER THAN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, SIGNAL SPANS, UTILITY POLES OR LIGHT POLES, A TEMPORARY SUPPORT APPROACH SHALL BE PROVIDED SUCH AS A HEAVY-DUTY LINE TRUCK WITH HYDRAULIC BOOM OR AUXILIARY ARM. ALTERNATIVELY, A GROUND SUPPORT/SPECIALIZED MECHANICAL BRACE SYSTEM COULD BE CONSIDERED. FINAL BRACING APPROACH SHALL BE AS DIRECTED AND AT THE APPROVAL OF THE ENGINEER AND IN DIRECT COORDINATION WITH THE UTILITY OWNER PRIOR TO THE TRENCHING.

BENCHING OF FOUNDATION SLOPES
ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSEDBENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR THE BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

WORK LIMITS
CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CENTERLINE & MONUMENT COORDINATE TABLE									
Station Offset (From C/L R/W)		Project Coordinates (See Survey Parameters)		Grid Coordinates (OSPN)		Monument Description		Monuments To Be Set During Construction	
Station	Offset	Northing(ft)	Easting(ft)	Northing(ft)	Easting(ft)	Pt. #	Description	Mon. Assy. (623 Type C)	Ref. Mon. (623 Type A)
PROPOSED CENTERLINE OF R/W MONUMENTS									
42+59.11	20.00 RT.	175950.4692	1816590.0621	175956.7825	1816655.2437	MONP2	CMON		1
42+59.11	10.00 RT.	175961.3733	1816618.0102	175967.6870	1816683.1928	MONBXP1	MONBOX	1	
44+64.95	C/L	176146.6486	1816527.0554	176152.9690	1816592.2347	MONP1	CMON		1
46+25.00	12.00 LT.	176286.0383	1816447.4908	176292.3637	1816512.6673	MONP3	CMON		1
46+25.00	14.00 RT.	176297.2030	1816470.9716	176303.5288	1816536.1489	MONBXP3	MONBOX	1	
TOTALS CARRIED TO THE GENERAL SUMMARY								2	3

R/W MONUMENTS TO BE SET & EXISTING MONUMENT COORDINATE TABLE								
Station/Offset (From C/L R/W)		Project Coordinates (See Survey Parameters)		Grid Coordinates (OSPN)		Monument Description		R/W Mon. Expected To Be Disturbed
Station	Offset	Northing(ft)	Easting(ft)	Northing(ft)	Easting(ft)	Pt. #	Description	R/W Mon. (623 Type B)
RIGHT OF WAY MONUMENTS TO BET SET - S.R. 315								
27+57.57	30.00 LT.	174545.5387	1817118.9154	174551.8016	1817184.1160	CALCPT80	R/W Monument set within construction limits	1
37+05.00	30.00 RT.	175452.4310	1816838.0456	175458.7265	1816903.2361	IPS13	R/W Monument set within construction limits	1
42+35.62	30.00 LT.	175924.9526	1816589.2833	175931.2650	1816654.4649	CALCPT27	R/W Monument set within construction limits	1
42+59.11	35.00 LT.	175945.0190	1816576.0872	175951.3321	1816641.2683	IPS24	R/W Monument set within construction limits	1
TOTALS CARRIED TO THE GENERAL SUMMARY:								4

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING
CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.

- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.

- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

ITEM 204 - PROOF ROLLING
THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING DUE TO EXCAVATION OF SUBGRADE. SEE PLAN SHEET P.29 FOR LOCATIONS.

ITEM 204 - PROOF ROLLING 3 HOUR.

DEL-CO UTILITY COORDINATION
PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF DRAINAGE STRUCTURES D220 AND D221, THE CONTRACTOR SHALL NOTIFY DEL-CO WATER COMPANY A MINIMUM OF 48 HOURS IN ADVANCE. DEL-CO HAS INSTALLED EXISTING CONDUIT AND REQUESTS TO HAVE A REPRESENTATIVE PRESENT DURING CONSTRUCTION ACTIVITIES NEAR THESE FACILITIES. THE CONTRACTOR SHALL COORDINATE WITH DAVE WOLF, DEL-CO WATER COMANY, AT (740) 210-0130, AND SHALL NOT BEGIN WORK IN THE AFFECTED AREA UNTIL NOTIFICATION HAS BEEN PROVIDED. NO SEPARATE PAYMENT WILL BE MADE FOR THE REQUIRED COORDINATION, NOTIFICATION, OR ANY RESULTING DELAYS.

REV 10-22-26

DESIGN AGENCY



WSP USA, Inc.
2 Miranova Pl,
Suite 450
Columbus, OH 43215

DESIGNER

ATM

REVIEWER

ABS 07/29/26

PROJECT ID

110446

SHEET

P.10

TOTAL

118

MODEL: Sheet PAPER:SIZE: 34x22 (in.) DATE: 10/22/2026 TIME: 12:28:39 PM USER: USAM688694
pwc:\wsp-us-pw.bentley.com\wsp-us-pw-02\Documents\OH - OHIO Projects\110446\400-Engineering\Roadway\Sheets\110446_GG003.dgn

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.16	P.26	P.29	P.73	P.87	P.89	P.91	P.100					01/SAF	02/SAF						
																		PAVEMENT	
			22									22		253	90100	22	SY	PAVEMENT REPAIR, MISC.:REMOVE AND REPLACE BRICK PAVERS	P.73
60		1,668										1,728		301	56000	1,728	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
60		1,760	23									1,843		304	20000	1,843	CY	AGGREGATE BASE	
22												22		407	10000	22	GAL	TACK COAT	
		1,075										1,075		407	20000	1,075	GAL	NON-TRACKING TACK COAT(PER CMS TABLE 407.06-1)	
22												22		408	10000	22	GAL	PRIME COAT	
			6									6		441	70500	6	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
20		407										427		442	10000	427	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), PG76-22M	
		611										611		442	10100	611	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
			34									34		452	10010	34	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
	24	202										226		452	12010	226	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
	1,301											1,301		609	12000	1,301	FT	COMBINATION CURB AND GUTTER, TYPE 2	
	306											306		609	12001	306	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	P. 9
	620											620		609	26000	620	FT	CURB, TYPE 6	
	307											307		609	31000	307	FT	COMBINATION CURB AND GUTTER, TYPE 9	
	67											67		609	54000	67	SY	6" CONCRETE TRAFFIC ISLAND	
	1,756											1,756		609	70000	1,756	SY	4" CONCRETE MEDIAN	
20												20		617	10100	20	CY	COMPACTED AGGREGATE	
																		WATER WORK	
	3											3		638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
																		LIGHTING	
												16		625	00450	16	EACH	CONNECTION, FUSED PULL APART	
												8		625	00460	8	EACH	CONNECTION, UNFUSED PULL APART	
												21		625	00480	21	EACH	CONNECTION, UNFUSED PERMANENT	
												8		625	10500	8	EACH	LIGHT POLE, MISC.: 23'-6" ROUND TAPERED ALUMINIUM WITH 10' DAVIT, AS PER PLAN	P.99
												8		625	14501	8	EACH	LIGHT POLE FOUNDATION, AS PER PLAN	P.99
												297		625	23000	297	FT	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE	
												880		625	23400	880	FT	NO. 10 AWG POLE AND BRACKET CABLE	
												933		625	24320	933	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
												89		625	25902	89	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
												8		625	26253	8	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN (113 WATTS, 120 VOLTS)	P.99
												823		625	29002	823	FT	TRENCH, 24" DEEP	
												3		625	31600	3	EACH	PULL BOX, MISC.: 725.06, (13"x24"), AS PER PLAN	P.99
												9		625	32000	9	EACH	GROUND ROD	
												823		625	36010	823	FT	UNDERGROUND WARNING MARKING TAPE	
												1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.99
																		TRAFFIC CONTROL	
						69						69		621	00100	69	EACH	RPM, TWO-WAY	
						9						9		626	00110	9	EACH	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	
					464.5							464.5		630	03100	464.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					68.8							68.8		630	06400	68.8	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	
					18							18		630	08600	18	EACH	SIGN POST REFLECTOR	
					2							2		630	09000	2	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
					260.3							260.3		630	80100	260.3	SF	SIGN, FLAT SHEET	
					4							4		630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
				25								25		630	84900	25	EACH	REMOVAL OF GROUND MOUNTED SIGN (FOR DISPOSAL) REV 10-22-26	
					7							7		630	84900	7	EACH	REMOVAL OF GROUND MOUNTED SIGN (FOR REERECTION) REV 10-22-26	
				17								17		630	86002	17	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT (FOR DISPOSAL) REV 10-22-26	
						1.01						1.01		644	00104	1.01	MILE	EDGE LINE, 6"	
1						0.55						1.55		644	00300	1.55	MILE	CENTER LINE	
						143						143		644	00400	143	FT	CHANNELIZING LINE, 8"	
						45						45		644	00500	45	FT	STOP LINE, 24"	
						254						254		644	00700	254	FT	TRANSVERSE/DIAGONAL LINE (YELLOW)	
						10						10		644	00720	10	FT	CHEVRON MARKING	
						11						11		644	01300	11	EACH	LANE ARROW	
						93						93		644	01510	93	FT	DOTTED LINE, 6"	
						167						167		644	01520	167	FT	DOTTED LINE, 12"	
						62						62		644	20800	62	FT	YIELD LINE	

GENERAL SUMMARY

DESIGN AGENCY



WSP USA, Inc.
2 Miranova Pl,
Suite 450
Columbus, OH 43215

DESIGNER

ATM

REVIEWER

ABS 07/29/26

PROJECT ID

110446

SHEET

P.23

TOTAL

118

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SIGNING SUB-SUMMARY SHEET 1	
DESIGN AGENCY	 <p>WSP USA, Inc. 2 Miranova Pl, Suite 450 Columbus, OH 43215</p>
DESIGNER	JRW
REVIEWER	ABS
PROJECT ID	07/29/26
	110446
SHEET	TOTAL
P.88	118

DEL-315-0.86

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 10/22/2026 TIME: 12:31:46 PM USER: USAM688684
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SIGNING SUB-SUMMARY SHEET 2

DESIGN AGENCY  WSP USA, Inc. 2 Miranova Pl, Suite 450 Columbus, OH 43215	
DESIGNER JRW	
REVIEWER ABS 07/29/26	
PROJECT ID 110446	
SHEET P.89	TOTAL 118

ITEM	EXTENSION	TOTAL	UNIT	ESTIMATED QUANTITIES	SEE SHEET
				DESCRIPTION	NO.
202	11201	1	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	2, 7
203	35110	231	CY	GRANULAR MATERIAL, TYPE B	5
503	11100	1	LS	COFFERDAMS AND EXCAVATION BRACING	2
503	21104	135	CY	UNCLASSIFIED EXCAVATION, INCLUDING ROCK	2
509	10000	7616	LB	EPOXY COATED STEEL REINFORCEMENT	5-8
510	10000	24	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	7
511	46010	22	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	2, 4-6
511	46510	51	CY	CLASS QC1 CONCRETE, FOOTING	4-6
511	46610	7	CY	CLASS QC1 CONCRETE, HEADWALL	4, 5
511	53010	5	CY	CLASS QC1 CONCRETE, MISC.: COLLAR	7
512	10100	55	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	2
512	33000	101	SY	TYPE 2 WATERPROOFING	2
516	13600	30	SF	1" PREFORMED EXPANSION JOINT FILLER	2
518	21200	26	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	2
601	32000	48	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	1
611	96471	24	FT	18' X 7' CONDUIT, TYPE A, 706.05, AS PER PLAN	1, 2
613	41200	5	CY	LOW STRENGTH MORTAR BACKFILL	2

REV 10-22-26

CULVERT ESTIMATED QUANTITIES
BRIDGE NO. DEL-315-0.87
S.R. 315 OVER BARTHOLOMEW RUN

SFN
2103281

DESIGN AGENCY

WSP USA, Inc.
2 Miranova Pl,
Suite 450
Columbus, OH 43215

DESIGNER
TNL

CHECKER
NBR

REVIEWER
MGH 07/29/26

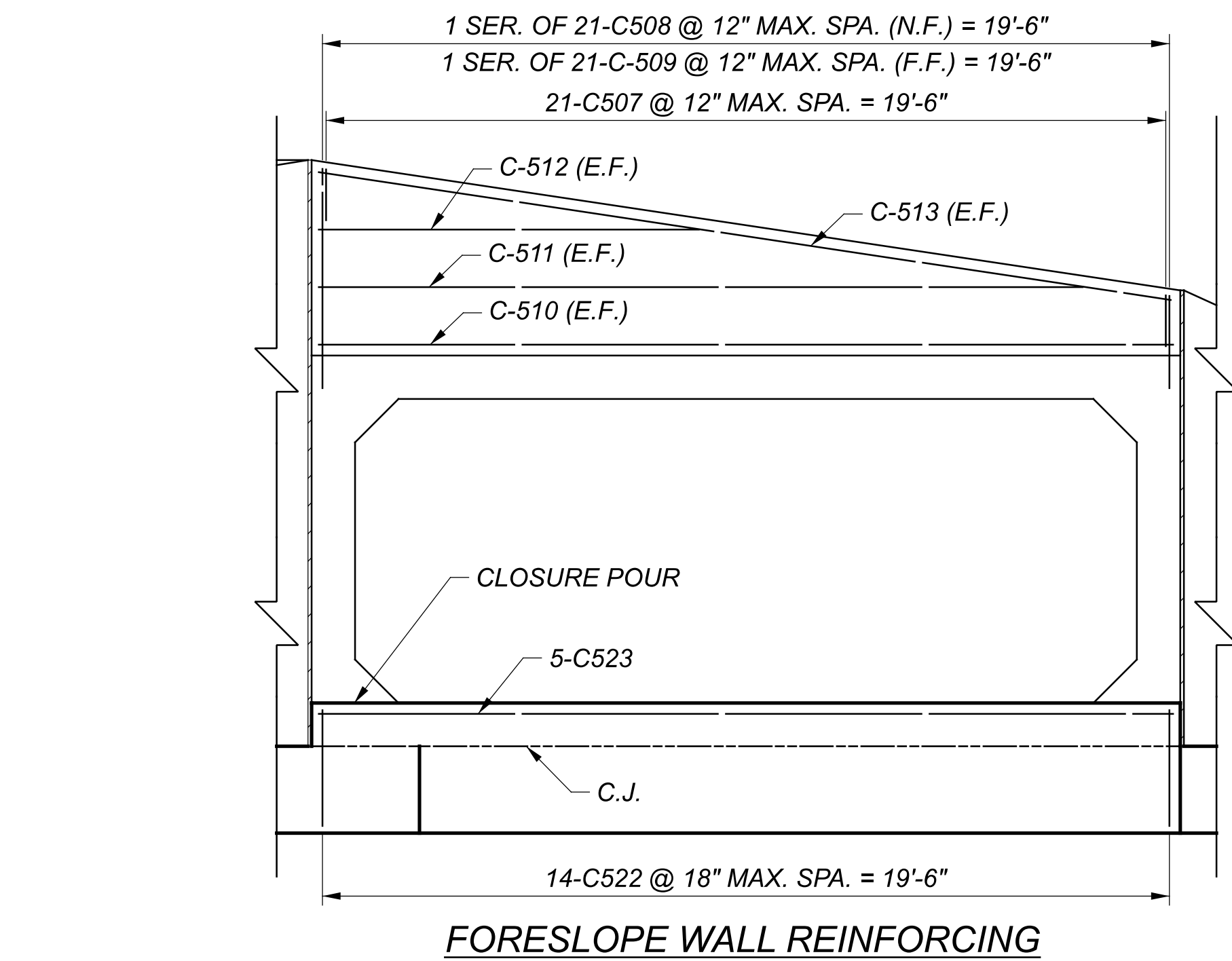
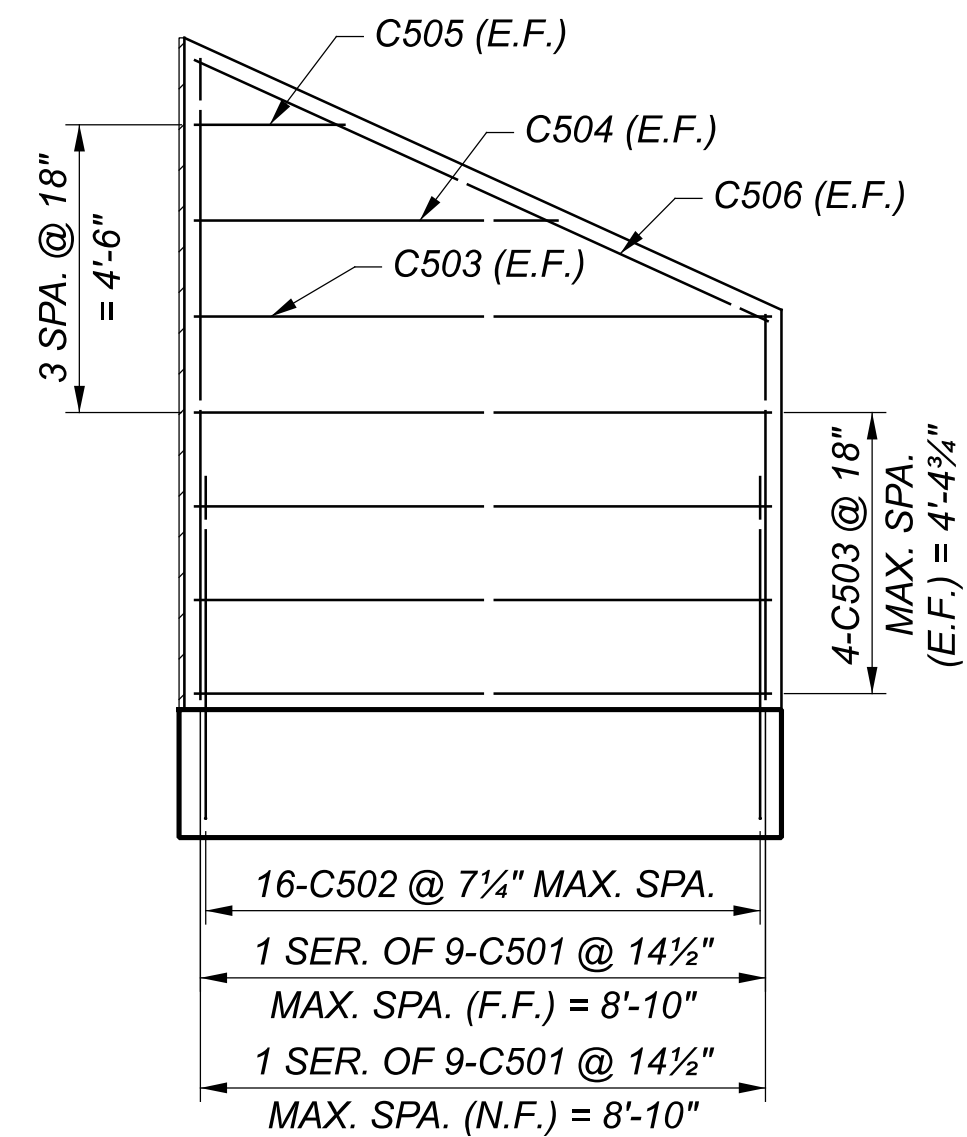
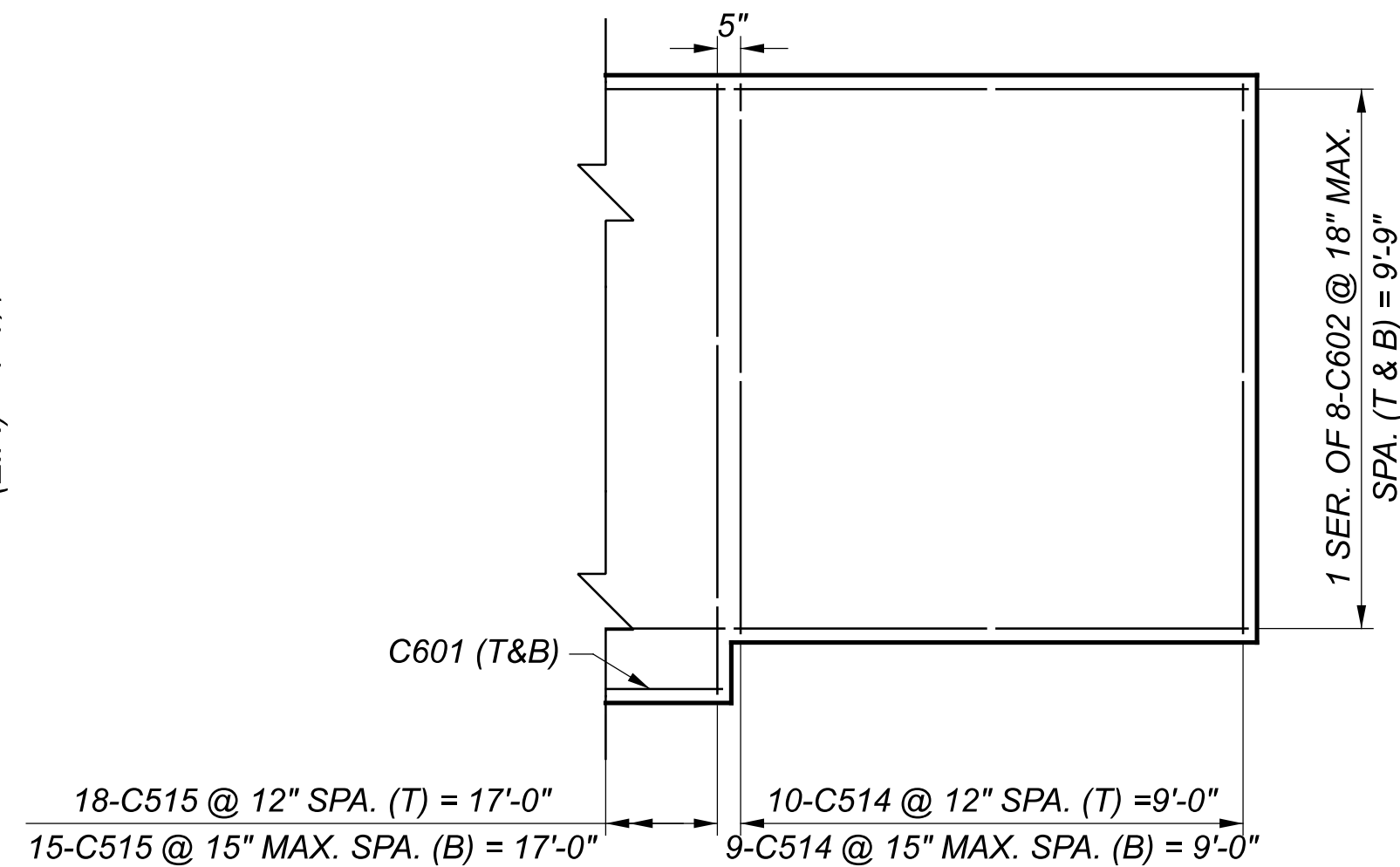
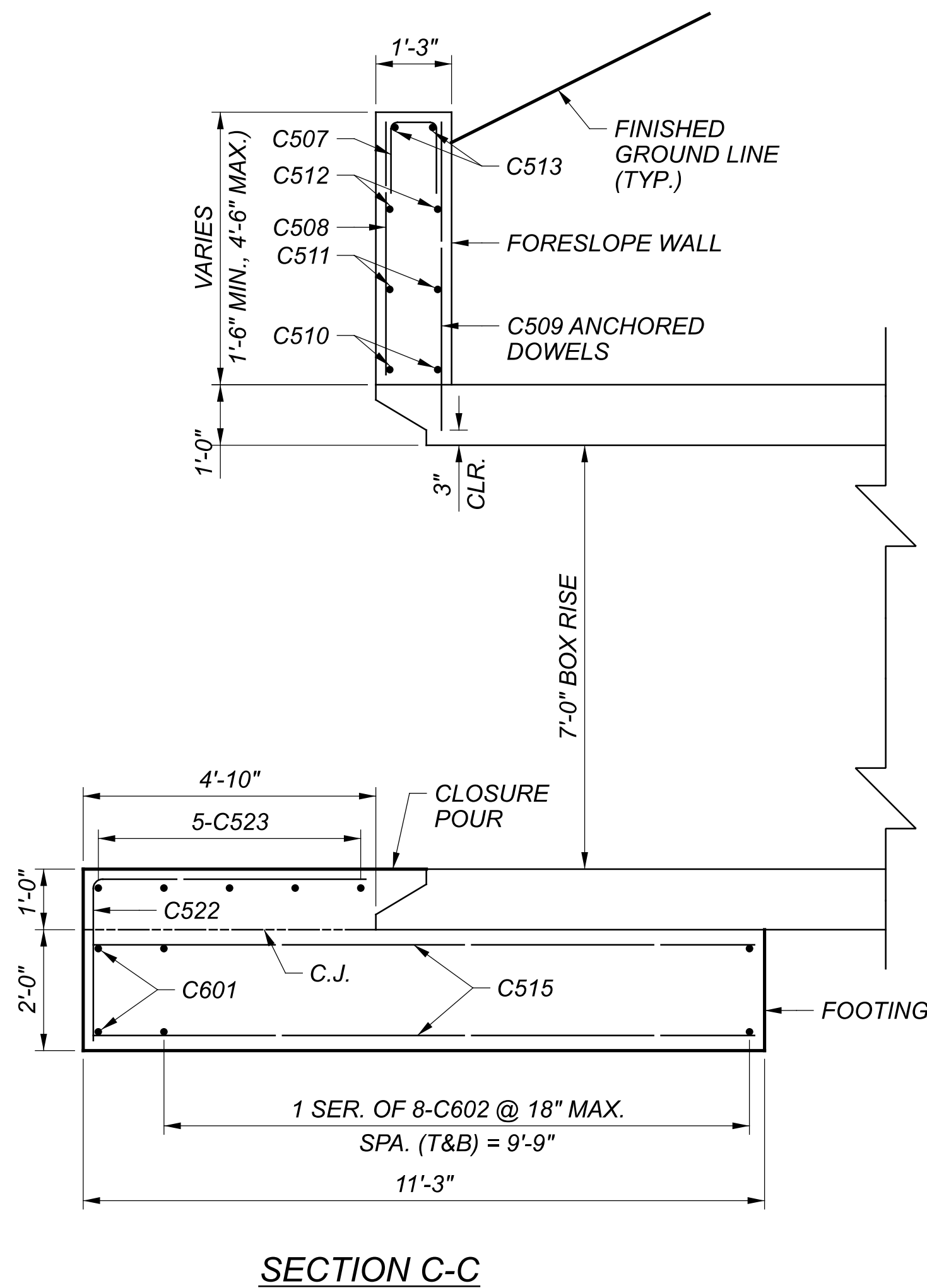
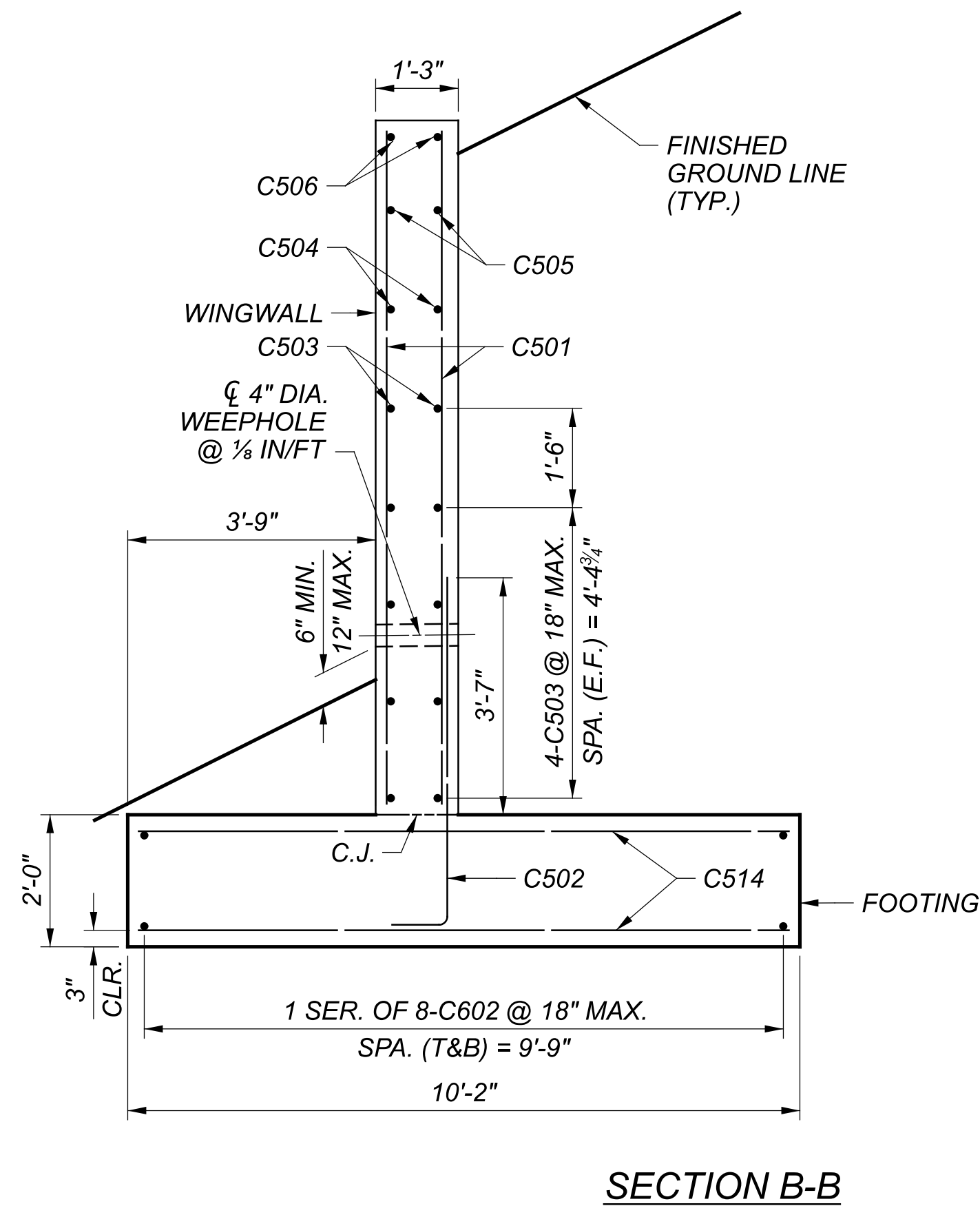
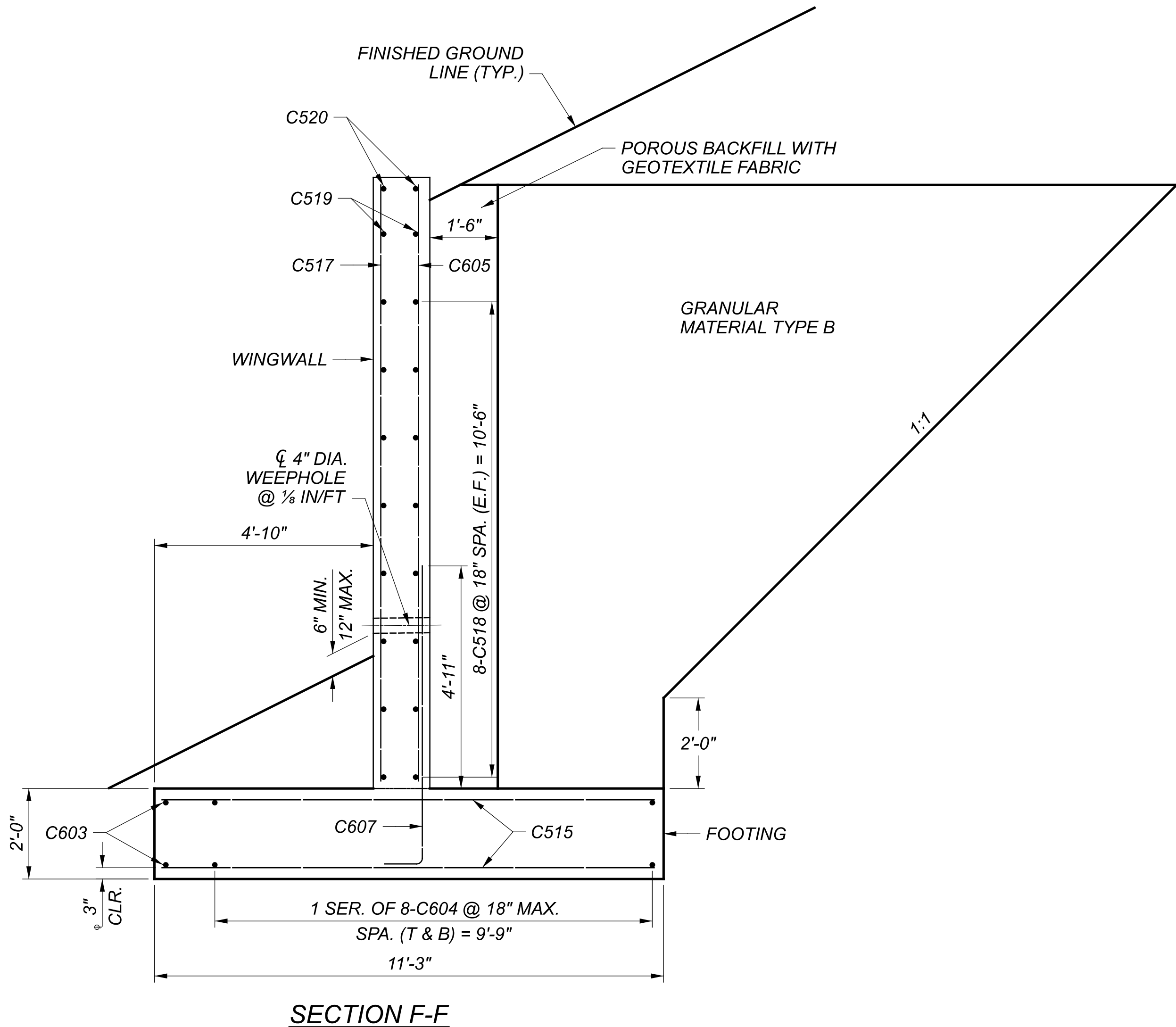
PROJECT ID
110446

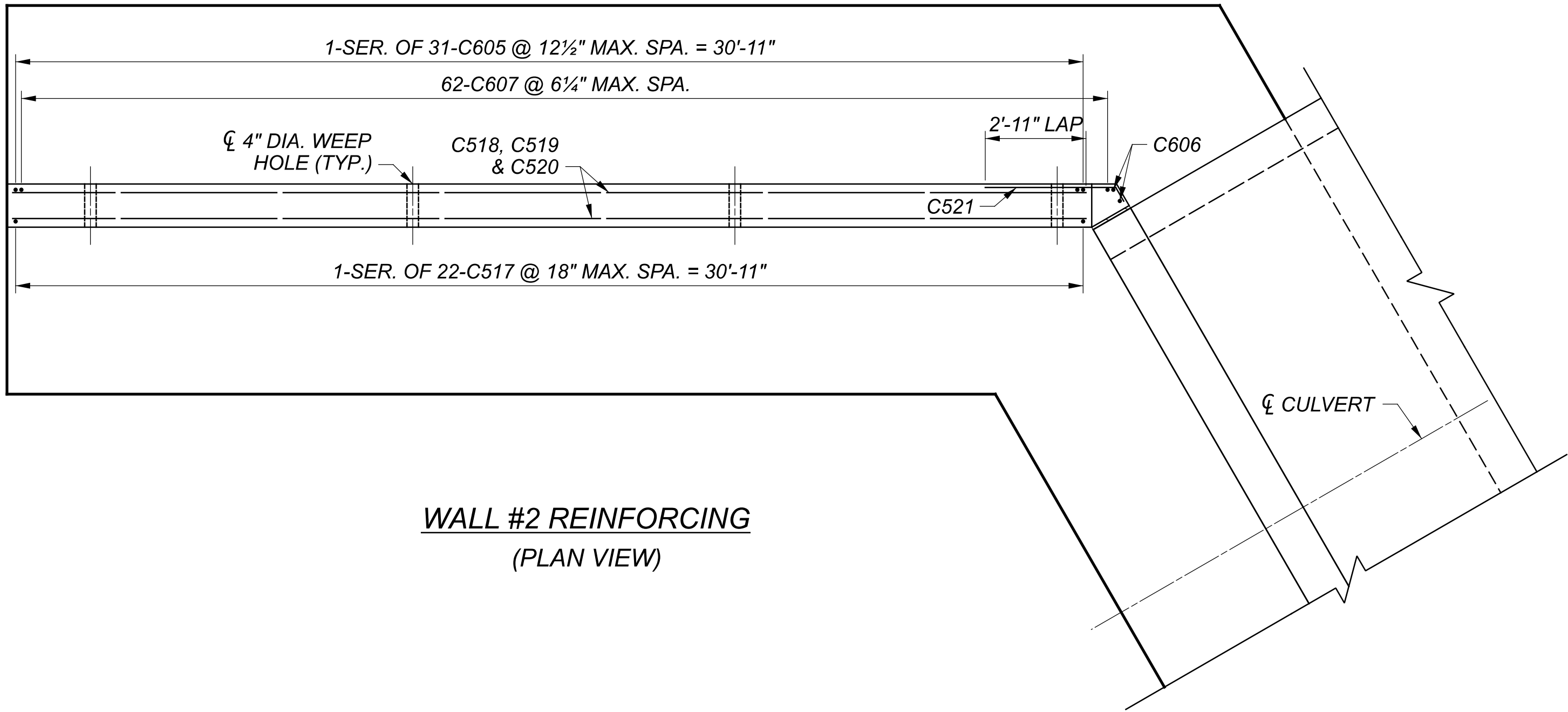
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TOTAL
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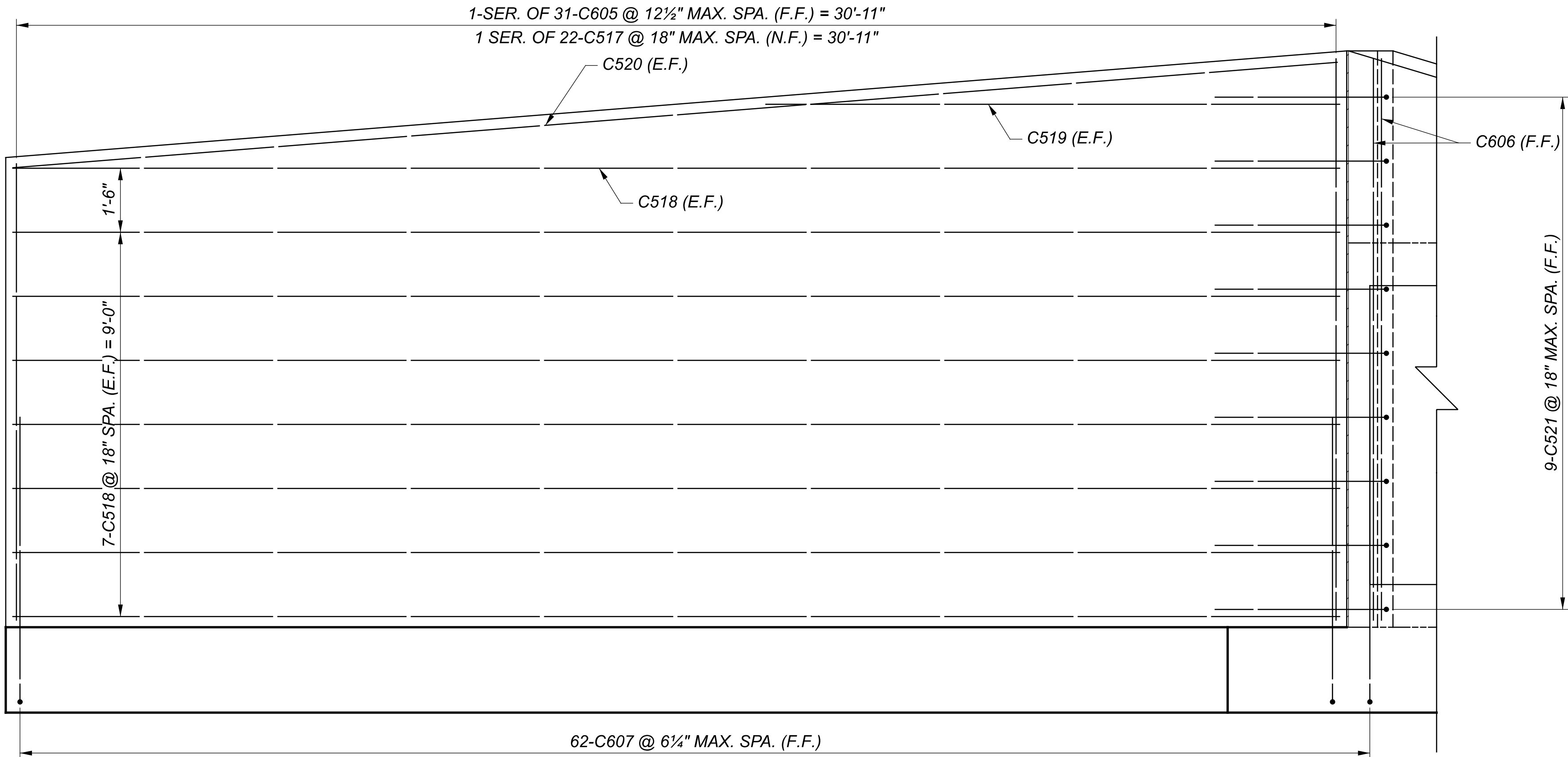
SHEET
P.106

TOTAL
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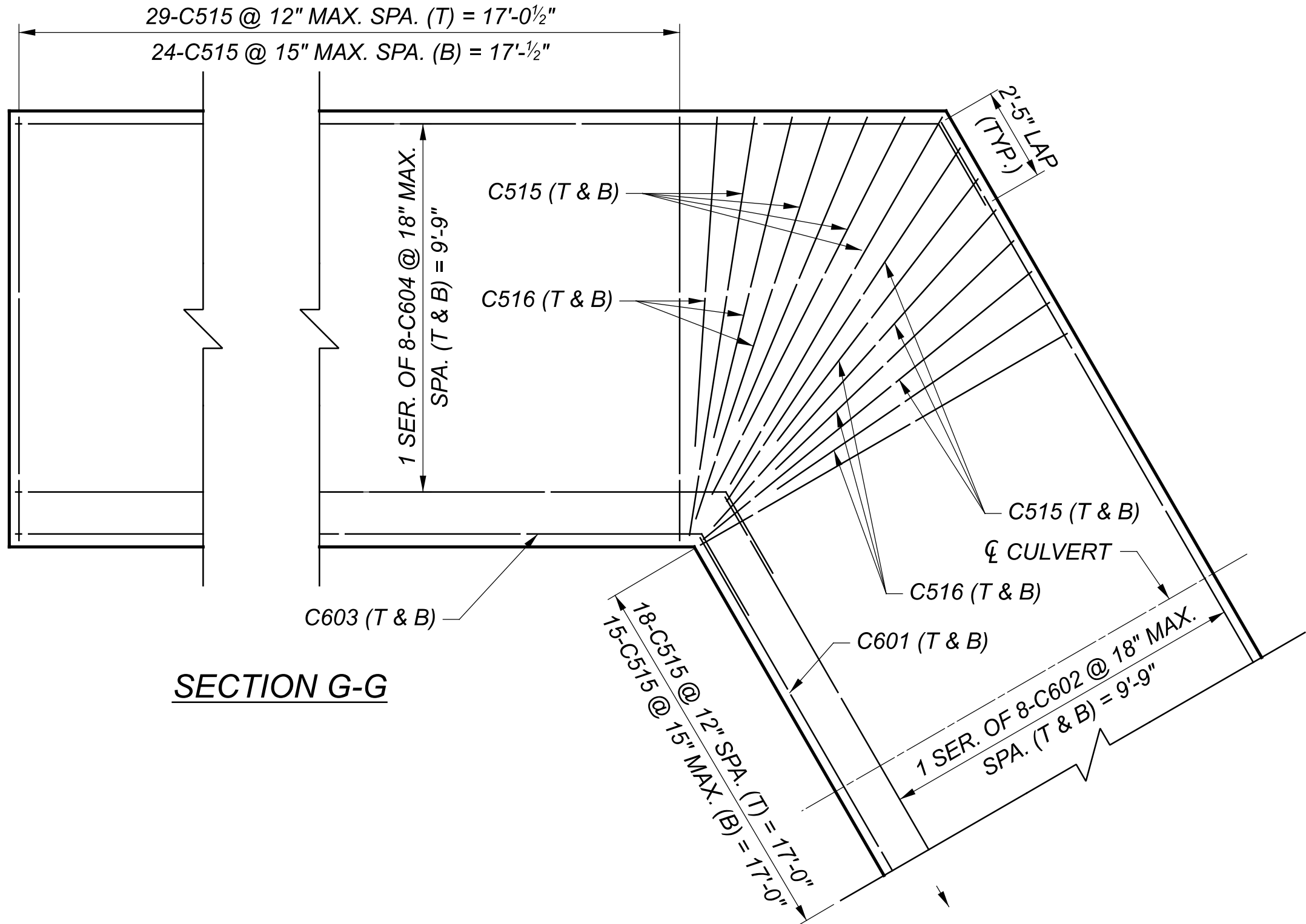




WALL #2 REINFORCING
(PLAN VIEW)



WALL #2 REINFORCING
(VIEW E-E)



SECTION G-G

REV 10-22-26

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GENERAL SUMMARY	
DESIGN AGENCY  WSP USA, Inc. 2 Miranova Pl, Suite 450 Columbus, OH 43215	
DESIGNER ATM	
REVIEWER ABS 07/29/26	
PROJECT ID 110446	
SHEET	TOTAL
P.9	18

DEL-315-0.86

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DESIGN AGENCY	
	
WSP USA, Inc. 2 Miranova Pl, Suite 450 Columbus, OH 43215	
DESIGNER	
JRW	
REVIEWER	
ABS	07/29/26
PROJECT ID	
110446	
SHEET	TOTAL
P. 14	18