

BEL-147-(24.65)(25.87)

MODEL: Sheet\_SurvFI\_PAPER: 34422 (in.) DATE: 2/10/2026 TIME: 11:02:28 AM PLTDRY: OHDOT\_PDF\_plicg\_PENTBL: OHDOT\_Pen.tbl USER: Steve.Parker2@stantec.com WORKSPACE: OHDOTCE02 WORKSET: 118147 PRODUCT: OpenRoadsDesigner 24.00.02.25 pvc\ohdot-pw-bentley.com\ohdot-pw-02\Documents\01 Active Projects\ohdot\118147\401-Engineering\_Stantec\Roadway\Sheets\118147\_GN001.dgn

**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:

AEP OHIO POWER COMPANY  
47687 NATION ROAD  
ST. CLAIRSVILLE, OH 43950  
PHONE: (614) 312-6204  
EMAIL: CFWAGSTAFF@AEP.COM  
(CHRIS WAGSTAFF)

BELMONT COUNTY WATER AND SEWER  
P.O. BOX 457  
ST. CLAIRSVILLE, OH 43950  
PHONE: (740) 695-3144  
EMAIL: BRIAN.STREET@BELMONTCOUNTYWATER.COM  
(BRIAN STREET)

WINDSTREAM  
560 TERNES AVENUE  
ELYRIA, OH 44035  
PHONE: (440) 329-4245  
EMAIL: GEOFFREY.P.HAMM@WINDSTREAM.COM  
(GEOFFREY HAMM)

WILLIAMS OPERATING  
7235 WHIPPLE AVE. NW  
NORTH CANTON, OHIO 44720  
PHONE: (330) 649-4678  
EMAIL: SCOTT.HRIVNAK@WILLIAMS.COM  
(SCOTT HRIVNAK)

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS AT THE 24.65 LOCATION ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 OF THE OHIO REVISED CODE.

THERE ARE NO KNOWN UNDERGROUND, OR OVERHEAD UTILITIES, WITHIN THE PROJECT CONSTRUCTION LIMITS AT THE 25.87 LOCATION.

**BENCHING OF FOUNDATION SLOPES**

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING 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 BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

**SURVEYING PARAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

**PROJECT CONTROL**

POSITIONING METHOD: ODOT - VRS/RTK  
MONUMENT TYPE: TYPE A

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD 88  
GEOID: 18

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD 83 (2011) (EPOCH 2010.0)  
ELLIPSOID: (GRS 80)  
MAP PROJECTION: TRANSVERSE MERCATOR  
COORDINATE SYSTEM: OCCS (BELMONT LDP)  
COMBINED SCALE FACTOR: 1.000041  
ORIGIN OF COORDINATE SYSTEM:

ORIGIN LATITUDE: N 38°30'00"  
ORIGIN LONGITUDE: E 279°00'00"  
FALSE NORTHING (m): 0  
FALSE EASTING (m): 50000

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.

BEL-147-24.65

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE
ODOT - CP100	536935.322	191560.441	1326.31	1300+52.62	19.25' LT.	ODOT CIP
ODOT - CP101	536985.591	192068.948	1314.93	NA	NA	ODOT CIP

BEL-147-25.87

POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE
ODOT - CP200	537480.706	197549.265	1290.25	1365+48.04	27.73' LT.	ODOT CIP
ODOT - CP201	537552.841	197726.502	1288.83	1367+29.08	18.35' LT.	ODOT CIP

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL 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.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL**

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M-180, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - COMMERCIAL FERTILIZER ..... 0.06 TON  
ITEM 659 - LIME ..... 0.09 ACRES  
ITEM 659 - WATER ..... 5 M GAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**ITEM 605 - AGGREGATE DRAINS, AS PER PLAN**

AGGREGATE DRAINS SHALL BE CONSTRUCTED ACCORDING TO ITEM 605, EXCEPT 605.07.A, WITH THE FOLLOWING MODIFICATIONS AND ADDITIONAL REQUIREMENTS.

AGGREGATE DRAINS SHALL BE CONSTRUCTED AFTER ALL EXCAVATION IS COMPLETE BUT BEFORE THE PLACEMENT OF ANY DUMPED ROCK.

AGGREGATE DRAINS SHALL BE WRAPPED IN GEOTEXTILE FABRIC, 712.09 TYPE A. BACKFILL MATERIAL FOR AGGREGATE DRAINS SHALL BE LIMITED TO NO. 8 STONE.

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE PER FOOT FOR ITEM 605 AGGREGATE DRAINS, AS PER PLAN AND SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

**ITEM 204 - GRANULAR EMBANKMENT, AS PER PLAN**

GRANULAR EMBANKMENT SHALL BE CONSTRUCTED ACCORDING TO ITEM 204 EXCEPT THAT THE EMBANKMENT MATERIAL SHALL BE NO. 1 STONE ACCORDING TO TABLE 703.01.

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE PER CUBIC YARD FOR ITEM 204 - GRANULAR EMBANKMENT, AS PER PLAN AND SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

**ITEM 408 - PRIME COAT, AS PER PLAN**

THIS ITEM OF WORK SHALL BE PERFORMED IN ACCORDANCE WITH C&MS "ITEM 408 - PRIME COAT", EXCEPT THE CONTRACTOR SHALL APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

**ENDANGERED BAT HABITAT REMOVAL**

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

**ITEM 202 - REMOVAL MISC.: PILING REMOVED**

THERE IS EXISTING PILING DRIVEN IN THE DOWNHILL SLOPE BETWEEN STATIONS 1366+14.41 AND 1366+32.94. THE CONTRACTOR SHALL REMOVE THE EXISTING PILING ONLY AS NEEDED FOR THE CONSTRUCTION OF THE PROPOSED WALL A MINIMUM OF 1' BELOW THE PROPOSED GRADE.

ALL LABOR AND MATERIALS NEEDED TO COMPLETE THE ABOVE WORK SHALL BE PAID FOR IN THE LUMP SUM PRICE BID FOR ITEM 202 - REMOVAL MISC.: PILING REMOVED.

**PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS**

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 202 - PAVEMENT REMOVED ..... 9 SY  
ITEM 204 - SUBGRADE COMPACTION ..... 9 SY  
ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449) ..... 2 CY  
ITEM 304 - 6" AGGREGATE BASE ..... 2 CY  
ITEM 304 - 8" AGGREGATE BASE ..... 1 CY

THE ABOVE QUANTITIES ARE BASED ON THE THICKNESS SHOWN AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

**ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN  
ITEM 606 - GUARDRAIL, TYPE MGS HALF POST SPACING, AS PER PLAN  
ITEM 606 - GUARDRAIL, TYPE MGS QUARTER POST SPACING, AS PER PLAN**

THIS WORK SHALL CONFORM TO ITEM 606 EXCEPT ALL GUARDRAIL POSTS SHALL BE MADE OF STEEL PER CMS 710.15.

**ITEM 611 - TYPE A OR B CONDUIT, AS PER PLAN**

USE 703.11 STRUCTURAL BACKFILL TYPE 1 OR 613 LOW STRENGTH MORTAR, TYPE 2 AS STRUCTURAL BACKFILL FOR ALL TYPE A AND B FLEXIBLE CONDUITS 12-INCH DIAMETER AND LARGER. DETAIL THE SELECTED CONDUIT MATERIAL AND STRUCTURAL BACKFILL IN THE 611 INSTALLATION PLAN PER 611.04 B. NOTIFY THE ENGINEER IMMEDIATELY WHEN GROUNDWATER IS ENCOUNTERED DURING EXCAVATION. USE 703.11 STRUCTURAL BACKFILL TYPE 3 FOR BEDDING AND BACKFILL IN AREAS WHERE GROUNDWATER IS PRESENT. INSTALL 703.11 STRUCTURAL BACKFILL TYPE 3 AND GEOTEXTILE FABRIC ACCORDING TO 611.06. VERIFY THE CONDUIT MATERIAL AND REVISED BACKFILL MEET THE STRUCTURAL DESIGN REQUIREMENTS WITH THE CONDUIT MANUFACTURER PRIOR TO INSTALLATION.

GENERAL NOTES

DESIGN AGENCY



1500 LAKE SHORE DRIVE,  
SUITE 100  
COLUMBUS, OH 43204  
614.486-4383

DESIGNER

SLP

REVIEWER

ALB 02/10/25

PROJECT ID

118147

SHEET TOTAL

P.4 42

BEL-147-(24.65)(25.87)

MODEL: Sheet\_SurvFI\_PAPER SIZE: 34x22 (in.) DATE: 2/10/2026 TIME: 11:03:22 AM PLTDRY: OHDOT\_PDF\_plicg\_PENTBL: OHDOT\_Pen.tbl USER: Steve.Parker2@stantec.com WORKSPACE: OHDOTCE02 WORKSET: 118147 PRODUCT: OpenRoadsDesigner 24.00.02.25 pvc\ohdotop-pw-bentley.com\ohdotop-pw-02\Documents\01 Active Projects\Distrid 118147\118147\_Sheets\118147\_G0001.dgn

SHEET NUMBER											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.4	P.5	P.11	P.12	P.33	P.34						01/STR	02/STR						
<b>ROADWAY</b>																		
LS											LS		201	11000	LS		CLEARING AND GRUBBING	
9		35	468								477		202	23000	477	SY	PAVEMENT REMOVED	
					120						35		202	35100	35	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
		512									512	120	202	35101	120	FT	PIPE REMOVED, 24" DIAMETER AND UNDER, AS PER PLAN	P.34
													202	38000	512	FT	GUARDRAIL REMOVED	
		158									158		202	75000	158	FT	FENCE REMOVED	
		LS									LS		202	98000	LS		REMOVAL MISC.: PILING REMOVED	P.4
			512								512		203	10000	512	CY	EXCAVATION	
9			65								65		203	20000	65	CY	EMBANKMENT	
			570								579		204	10000	579	SY	SUBGRADE COMPACTION	
			75								75		204	21001	75	CY	GRANULAR EMBANKMENT, AS PER PLAN	P.4
			533								533		204	50000	533	SY	GEOTEXTILE FABRIC	
		150									150		606	15101	150	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN	P.4
		325									325		606	15151	325	FT	GUARDRAIL, TYPE MGS HALF POST SPACING, AS PER PLAN	P.4
		37.5									37.5		606	15251	37.5	FT	GUARDRAIL, TYPE MGS QUARTER POST SPACING, AS PER PLAN	P.4
<b>EROSION CONTROL</b>																		
			233								233		601	26000	233	CY	DUMPED ROCK FILL, TYPE B	
			135								135		601	27000	135	CY	DUMPED ROCK FILL, TYPE C	
		3									3		601	32200	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
0.06	197		218								415		659	10000	415	SY	SEEDING AND MULCHING	
											0.06		659	20000	0.06	TON	COMMERCIAL FERTILIZER	
0.09											0.09		659	31000	0.09	ACRE	LIME	
5											5		659	35000	5	MGAL	WATER	
											10,000		832	30000	10,000	EACH	EROSION CONTROL	
<b>DRAINAGE</b>																		
		0.3									0.3		602	20000	0.3	CY	CONCRETE MASONRY	
		316									316		605	14020	316	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
		88									88		605	31101	88	FT	AGGREGATE DRAINS, AS PER PLAN	P.4
		9									9		611	05510	9	FT	6" CONDUIT, TYPE A FOR UNDERDRAIN JOULETS	
		38									38		611	05701	38	FT	15" CONDUIT, TYPE A, AS PER PLAN, 707.02 ALUMINIZED, 707.04, 706.02, 707.33, 707.34, 707.35	P.4
<b>PAVEMENT</b>																		
2			404								404		254	01000	404	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"	
3			86								88		301	56000	88	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			255								258		304	20000	258	CY	AGGREGATE BASE	
			121								121		407	20000	121	GAL	NON-TRACKING TACK COAT	
			66								66		408	10001	66	GAL	PRIME COAT, AS PER PLAN	P.4
			32								32		441	70100	32	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
			44								44		441	70300	44	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
<b>WATER WORK</b>																		
					120							120	SPECIAL	63820422	120	FT	10" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, BELMONT COUNTY	P.34
<b>TRAFFIC CONTROL</b>																		
		14									14		621	00100	14	EACH	RPM	
		14									14		621	54000	14	EACH	RAISED PAVEMENT MARKER REMOVED	
		8									8		626	00110	8	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
		26									26		630	02100	26	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
		4									4		630	08600	4	EACH	SIGN POST REFLECTOR	
		3									3		630	80100	3	SF	SIGN, FLAT SHEET	
		4									4		630	84900	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
		2									2		630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		0.28									0.28		646	10010	0.28	MILE	EDGE LINE, 6"	
		0.21									0.21		646	10200	0.21	MILE	CENTER LINE	
<b>RETAINING WALLS (RWFN: 1014077)</b>																		
			2,155								2,155		507	00400	2,155	FT	STEEL PILES, MISC.: W16x40 STEEL BEAMS, FURNISHED	P.29
			1,239								1,239		524	94503	1,239	FT	DRILLED SHAFTS, 24" DIAMETER, ABOVE BEDROCK, AS PER PLAN	P.29
			710								710		524	94505	710	FT	DRILLED SHAFTS, 24" DIAMETER, INTO BEDROCK, AS PER PLAN	P.29
			700								700		524	95000	700	FT	DRILLED SHAFTS, MISC.: PLUG PILE, 30" DIAMETER, UNREINFORCED	P.29

GENERAL SUMMARY

DESIGN AGENCY



**Stantec**

1500 LAKE SHORE DRIVE,  
SUITE 100  
COLUMBUS, OH 43204  
614.486-4383

DESIGNER  
SLP

REVIEWER  
ALB 02/10/25

PROJECT ID  
118147

SHEET TOTAL  
P.9 42

BEL-147-(24.65)(25.87)

MODEL: Sheet\_SurvFI\_PAPER SIZE: 34x22 (in.) DATE: 2/10/2026 TIME: 11:03:35 AM PLTDRY: OHDOT\_PDF\_plicg\_PENTBL: OHDOT\_Pen.tbl USER: Steve.Parker2@stantec.com WORKSPACE: OHDOTCE02 WORKSET: 118147 PRODUCT: OpenRoadsDesigner 24.00.02.25 pvc\ohdotol-pw.bentley.com\chitodo-pw-02\Documents\01 Active Projects\Distrid 118147\01-Engineering\_Stantec\Roadway\Sheets\118147\_GS001.dgn

ROADWAY AND DRAINAGE SUBSUMMARY																		
SHEET NO.	REF NO.	STATION		SIDE	202				601	602	605		606			611	626	
		FROM	TO		GUARDRAIL REMOVED FT	PIPE REMOVED, 24" DIAMETER AND UNDER FT	FENCE REMOVED FT	REMOVAL MISC.: PILING REMOVED LS	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER CY	CONCRETE MASONRY CY	AGGREGATE DRAINS, AS PER PLAN FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC FT	GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN FT	GUARDRAIL, TYPE MGS HALF POST SPACING, AS PER PLAN FT	GUARDRAIL, TYPE MGS QUARTER POST SPACING, AS PER PLAN FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS FT	15" CONDUIT, TYPE A, AS PER PLAN, 707.02 ALUMINIZED, 707.04, 706.02, 707.33, 707.34, 707.35 EA	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL EACH
P.13	D-1	1301+75.00	1302+62.90	RT.							88							
P.13	GR-1	1301+35.18	1302+89.58	RT.								150					3	
P.13	R-1	1301+35.18	1302+89.58	RT.	150													
P.13	R-2	1301+30.73	1302+94.08	RT.		158												
P.14	D-1	1366+68.98	1366+68.28	RT./LT.				3	0.3							38		
P.14	GR-1	1365+52.27	1369+05.15	LT.									325	37.5				
P.14	R-1	1366+14.41	1366+32.94	LT.			LS											
P.14	R-2	1366+68.97	1366+68.66	RT./LT.		35												
P.14	R-3	1365+52.27	1369+05.15	LT.	362												5	
P.14	UD-1	1365+60.00	1368+70.00	LT.							316				9			
TOTALS CARRIED TO GENERAL SUMMARY					512	35	158	LS	3	0.3	88	316	150	325	37.5	9	38	8

SIGNING SUBSUMMARY										
SHEET NO.	REF NO.	STATION	SIDE	CODE	SIZE (INCHES)	630				
						GROUND MOUNTED SUPPORT, NO. 2 POST FT	SIGN POST REFLECTOR EACH	SIGN, FLAT SHEET SF	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH
P.37	S-1	1365+92.00	LT.	W1-8R-12	12X18	13	1	1.5		
			LT.	W1-87-12	12X18		1			
P.37	S-2	1365+92.00	LT.					2	1	
P.37	S-3	1367+49.00	LT.	W1-8R-12	12X18	13	1	1.5		
			LT.	W1-87-12	12X18		1			
P.37	S-4	1367+49.00	LT.					2	1	
TOTALS CARRIED TO GENERAL SUMMARY						26	4	3	4	2

PAVEMENT MARKING SUBSUMMARY								
SHEET NO.	REF NO.	STATION		SIDE	621		646	
		FROM	TO		RPM, TWO-WAY YELLOW/YELLOW EACH	RAISED PAVEMENT MARKER REMOVED EACH	EDGE LINE, 6" MILE	CENTER LINE MILE
P.36	CL-1	1300+00.00	1304+63.00	RT.	6	6		0.09
P.36	EL-1	1300+41.00	1304+14.00	RT.			0.08	
P.37	CL-1	1364+18.00	1370+42.00		8	8		0.12
P.37	EL-1	1364+67.00	1370+42.00	LT.			0.11	
P.37	EL-2	1365+82.00	1370+42.00	RT.			0.09	
TOTALS CARRIED TO GENERAL SUMMARY					14	14	0.28	0.21

SUBSUMMARY

DESIGN AGENCY



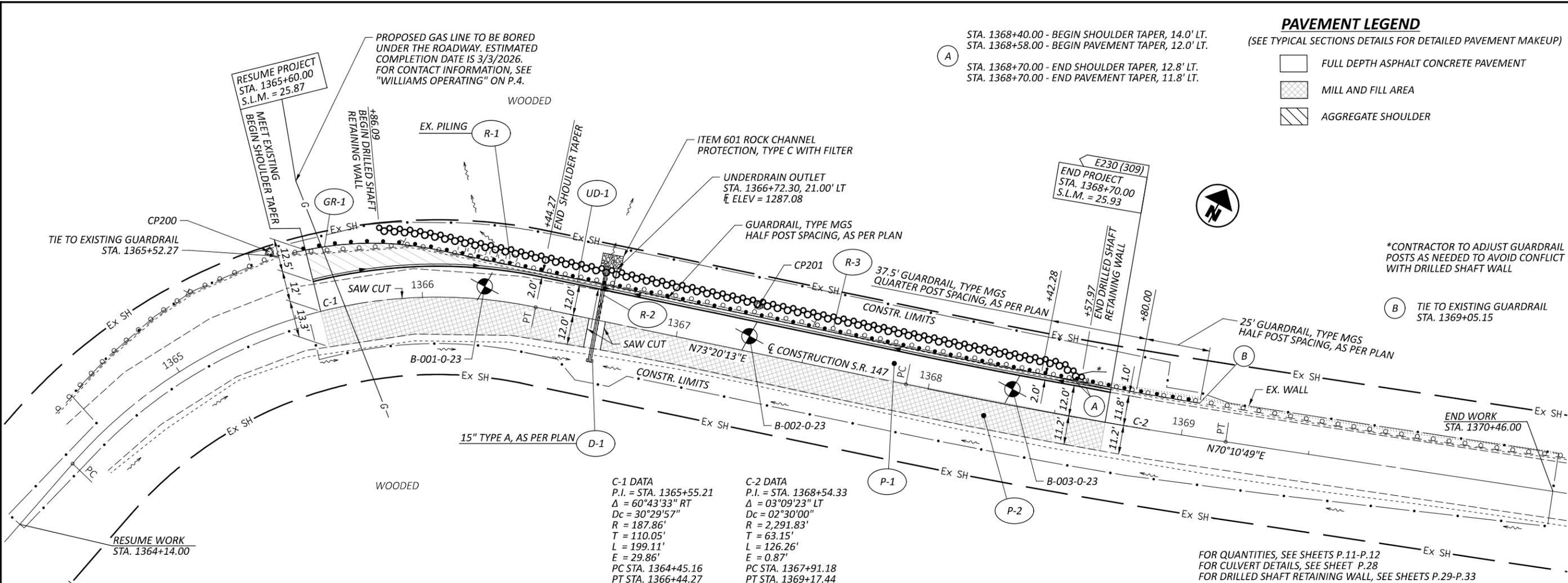
**Stantec**  
1500 LAKE SHORE DRIVE,  
SUITE 100  
COLUMBUS, OH 43204  
614.486-4383

DESIGNER  
SLP

REVIEWER  
ALB 02/10/25

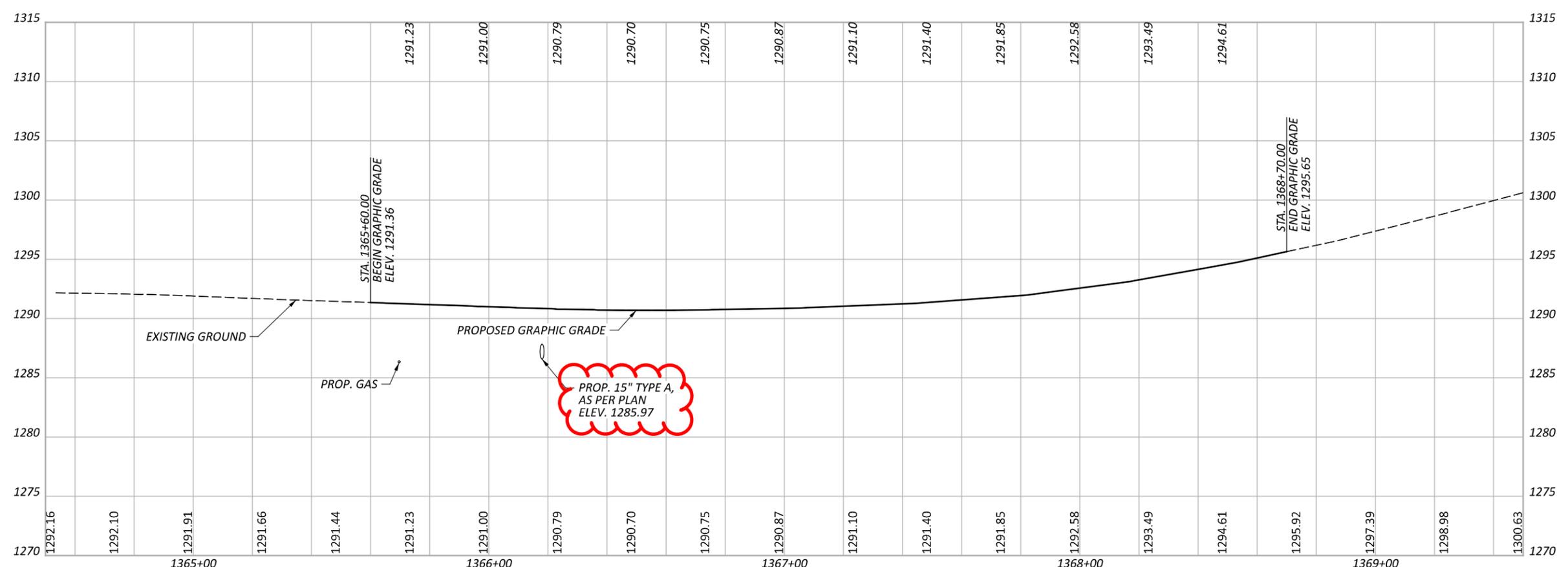
PROJECT ID  
118147

SHEET TOTAL  
P.11 | 42



**PAVEMENT LEGEND**  
 (SEE TYPICAL SECTIONS DETAILS FOR DETAILED PAVEMENT MAKEUP)

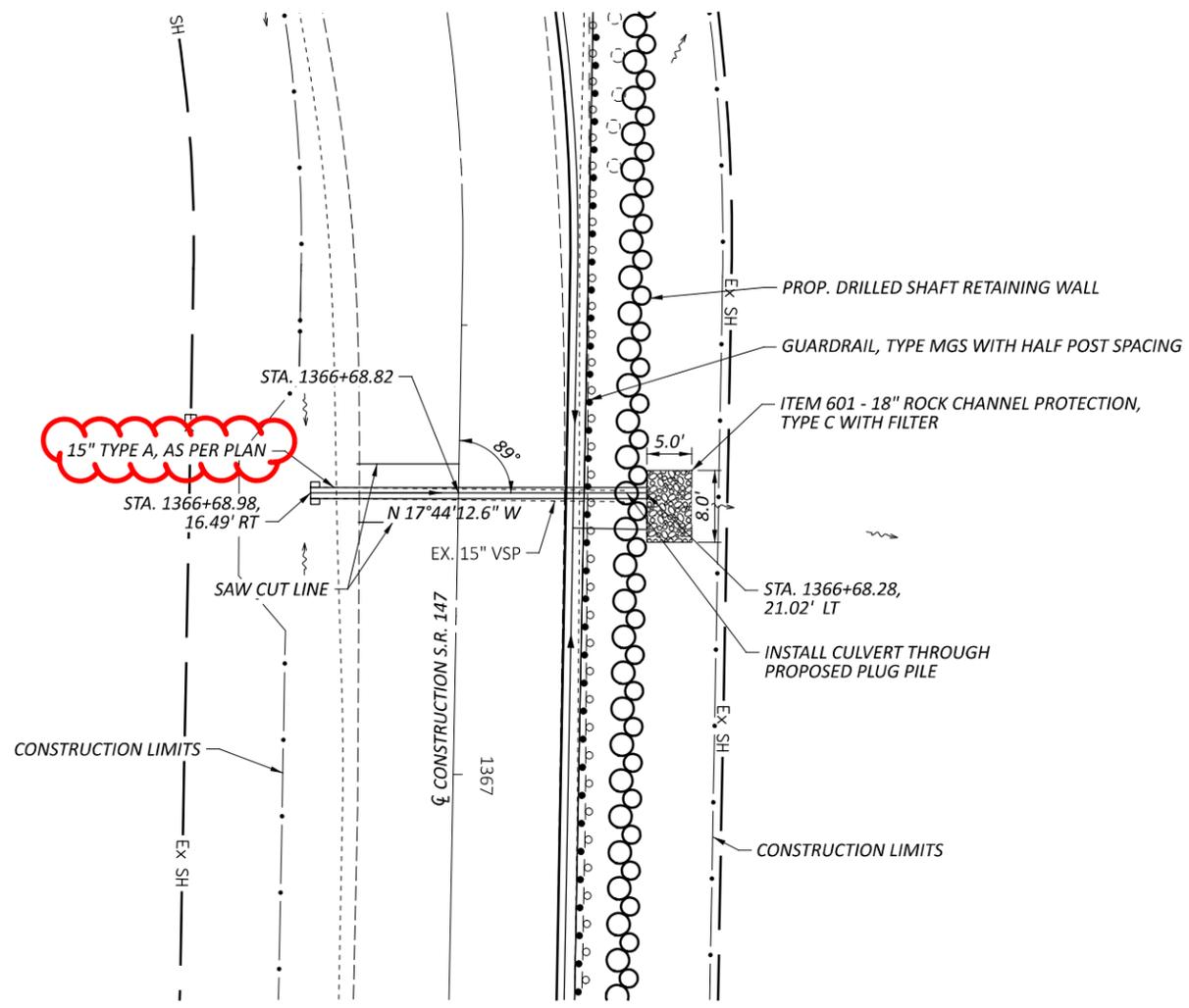
- FULL DEPTH ASPHALT CONCRETE PAVEMENT
- MILL AND FILL AREA
- AGGREGATE SHOULDER



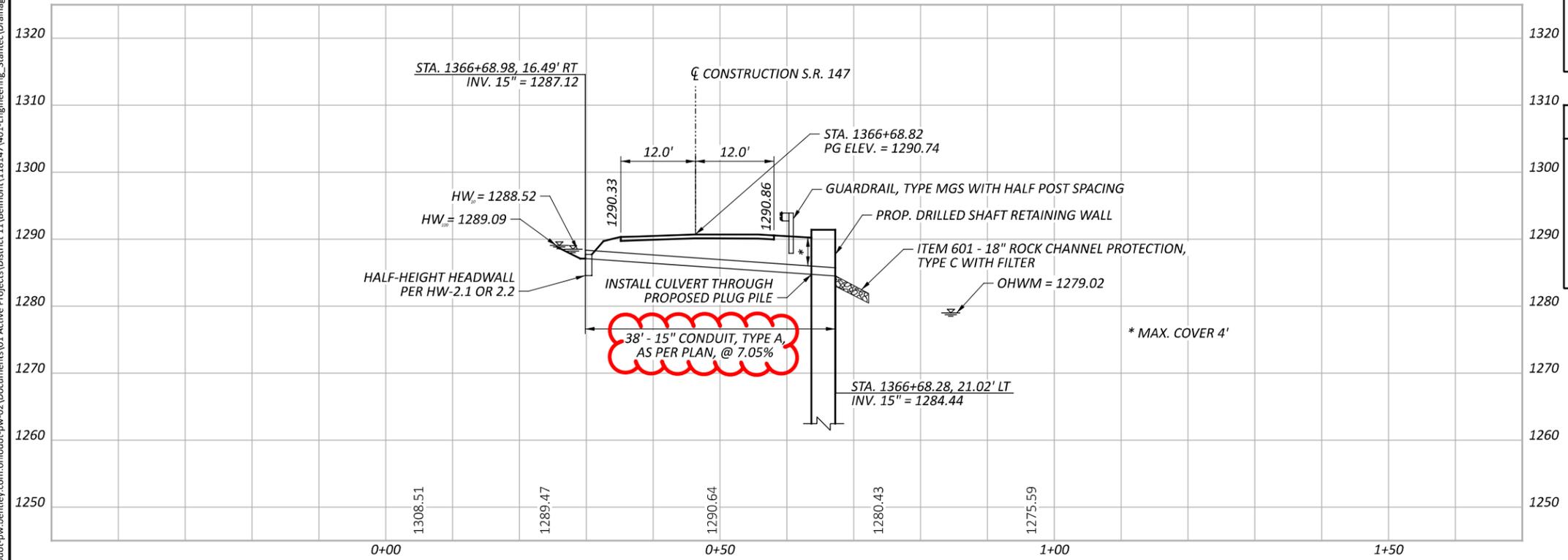
FOR QUANTITIES, SEE SHEETS P.11-P.12  
 FOR CULVERT DETAILS, SEE SHEET P.28  
 FOR DRILLED SHAFT RETAINING WALL, SEE SHEETS P.29-P.33

**PLAN AND PROFILE**  
 STA. 1364+14.00 TO STA. 1370+46.00

DESIGN AGENCY  
  
**Stantec**  
 1500 LAKE SHORE DRIVE,  
 SUITE 100  
 COLUMBUS, OH 43204  
 614.486-4383  
 DESIGNER  
 SLP  
 REVIEWER  
 ALB 02/10/25  
 PROJECT ID  
 118147  
 SHEET TOTAL  
 P.14 42



FOR QUANTITIES, SEE SHEET P.11



HYDRAULIC DATA		
DRAINAGE AREA =	3.00 ACRES	
Q (10) =	4.46 CFS	V (10) = 7.49 FT/S
Q (100) =	6.04 CFS	V (100) = 8.05 FT/S
ORDINARY HIGH WATER MARK:	1279.02 FT	
DESIGN SERVICE LIFE:	75 YEARS	
ABRASION LEVEL:	1	
pH:	7.7	

EXISTING STRUCTURE	
TYPE:	CLAY PIPE
SIZE:	15"
SKEW:	89°29'26"
ALIGNMENT:	TANGENT
DATE BUILT:	UNKNOWN
CONDITION:	POOR
CFN:	1973372

PROPOSED STRUCTURE	
TYPE:	TYPE A, AS PER PLAN, 707.02 ALUMINIZED, 707.04, 706.02, 707.33, 707.34, 707.35
SIZE:	15"
SKEW:	88°55'34.4"
ALIGNMENT:	TANGENT
CFN:	1993824



CULVERT DETAIL  
 STA. 1366+68.82

DESIGN AGENCY

1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204, (614) 486-4383

DESIGNER: SLP

REVIEWER: ALB

PROJECT ID: 118147

SUBSET	TOTAL
1	1

SHEET	TOTAL
P.28	42