

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER UNLESS AUTHORIZED BY THE ENGINEER". THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

PROJECT COORDINATION

COORDINATE WITH PID 115715 DUE TO OVERLAPPING WORK LOCATIONS.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS. FOR CENTER LINE MARKINGS, THE CONTRACTOR SHALL INSTALL THE PASSING/NO PASSING ZONE MARKINGS ACCORDING TO THE CURRENT CENTER LINE LOGS AVAILABLE AT

<http://www.dot.state.oh.us/Divisions/Operations/Traffic/miscellaneous/Pages/CenterlinePassingandNoPassingZoneLogs.aspx>

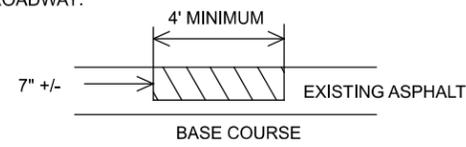
PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

ITEM 623- CONSTRUCTION LAYOUT STAKES, AS PER PLAN

PRIOR TO THE START OF ROADWAY OPERATION, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER, THE PAVEMENT SHALL BE REFERENCED IN 500' FEET INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMIPERMANENT CONDITION.

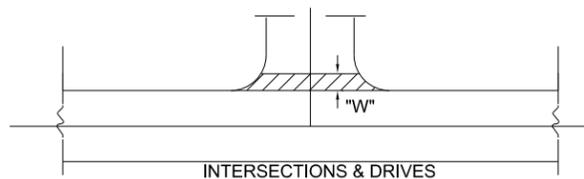
ITEM 253- PAVEMENT REPAIR (A)

AN ESTIMATED QUANTITY OF 750 CU YDS OF ITEM 253- PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A MAXIMUM DEPTH OF 7" INCHES OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301, ASPHALT CONCRETE BASE. THE 301 SHALL BE COMPACTED AS PER 401.15 AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

INTERSECTIONS AND DRIVES



INTERSECTION AND DRIVES QUANTITIES ARE INCLUDED IN THE ASPHALT CONCRETE QUANTITIES. INTERSECTION QUANTITIES HAVE BEEN ESTIMATED AT 15' MEASURED FROM EDGE OF PAVED SHOULDER, DRIVE QUANTITIES HAVE BEEN ESTIMATED AT 3' "W" MEASURED FROM EDGE OF PAVED SHOULDER.

PERFORM WORK PER SPECIFIED OFFSET LIMITS UNLESS THERE IS AN EXISTING JOINT LOCATED CLOSER TO THE EDGE OF PAVED SHOULDER, IN WHICH CASE END WORK AT SAID JOINT.

ITEM 254 PAVEMENT PLANING

THE PAVEMENT PLANING SHALL BE SCHEDULED SO AS TO BE COVERED BY THE INTERMEDIATE COURSE PRIOR TO REOPENING THE LANE TO TRAFFIC. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE ITEM. A DISINCENTIVE IN THE AMOUNT OF \$5,700 SHALL BE ASSESSED FOR EACH DAY, OR PORTION THEREOF, A PLANED SURFACE IS OPEN TO TRAFFIC.

ITEM 611 - MANHOLE ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING MANHOLES TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - MANHOLE ADJUSTED TO GRADE..... 10 EA.

ITEM 638 - VALVE BOX ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING VALVE BOXES TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 638 - VALVE BOX ADJUSTED TO GRADE..... 27 EA.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING CATCH BASINS TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE..... 3 EACH

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE

THIS WORK SHALL CONSIST OF RECONSTRUCTING CATCH BASIN TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE..... 1 EACH
 CORNER OF SR 73 AND MAIN ST IN NEW VIENNA

ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA DESIGN WAIVER

ADA FEATURE	APPROVAL DATE	SHEET NUMBERS
RMP0017370	1/18/2023	NO WORK
RMP0017369	1/18/2023	NO WORK

CURB RAMP CONSTRUCTION RESTRICTIONS

CONTRACTOR IS REQUIRED TO MAINTAIN A MINIMUM OF ONE SIDEWALK AT EACH INTERSECTION AT ALL TIMES SO ALL FOUR CORNERS WILL NOT BE CLOSED AT THE SAME TIME.

GUARDRAIL INSTALLATION

THIS PROJECT REQUIRES THE INSTALLATION OF NEW GUARDRAIL POSTS. SURVEY WORK HAS NOT BEEN PERFORMED EVERYWHERE ON THIS PROJECT, NOR HAVE THE UTILITY LOCATIONS BEEN CONFIRMED IN THE FIELD. IN ADDITION TO CMS 105.07, IF, DURING THE COURSE OF INSTALLING ANY NEW GUARDRAIL COMPONENT, IT IS DETERMINED THAT A UTILITY CONFLICT MAY RESULT, THE CONTRACTOR IS TO NOTIFY THE PROJECT ENGINEER IMMEDIATELY. UTILITIES ARE NOT TO BE RELOCATED AS A RESULT OF THIS OPERATION. ADJUSTMENTS TO THE PROPOSED GUARDRAIL WILL ACCOMMODATE THE EXISTING UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE GUARDRAIL VIA MEANS THAT WOULD BE COMPLIANT WITH THE IMPACTED UTILITY'S SAFETY GUIDELINES AS WELL AS STILL MEETING ODOT'S DESIGN CRITERIA. ANY MINOR ADJUSTMENTS MADE TO THE PROPOSED GUARDRAIL INSTALLATIONS SHALL BE INCIDENTAL TO PAY ITEM 606.

ITEM 202 - ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN

WHERE DESIGNATED, EXISTING ANCHOR ASSEMBLIES INCLUDING ALL POST AND HARDWARE SHALL BE REMOVED. THIS ITEM SHALL ALSO INCLUDE THE REMOVAL OF THE ENTIRE CONCRETE ANCHOR AND CONCRETE ENCASEMENT. ALL HOLES LEFT AFTER REMOVAL OF ASSEMBLIES AND POSTS SHALL BE FILLED WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR AND EQUIPMENT REQUIRED TO PERFORM THE INDICATED ABOVE.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE

THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

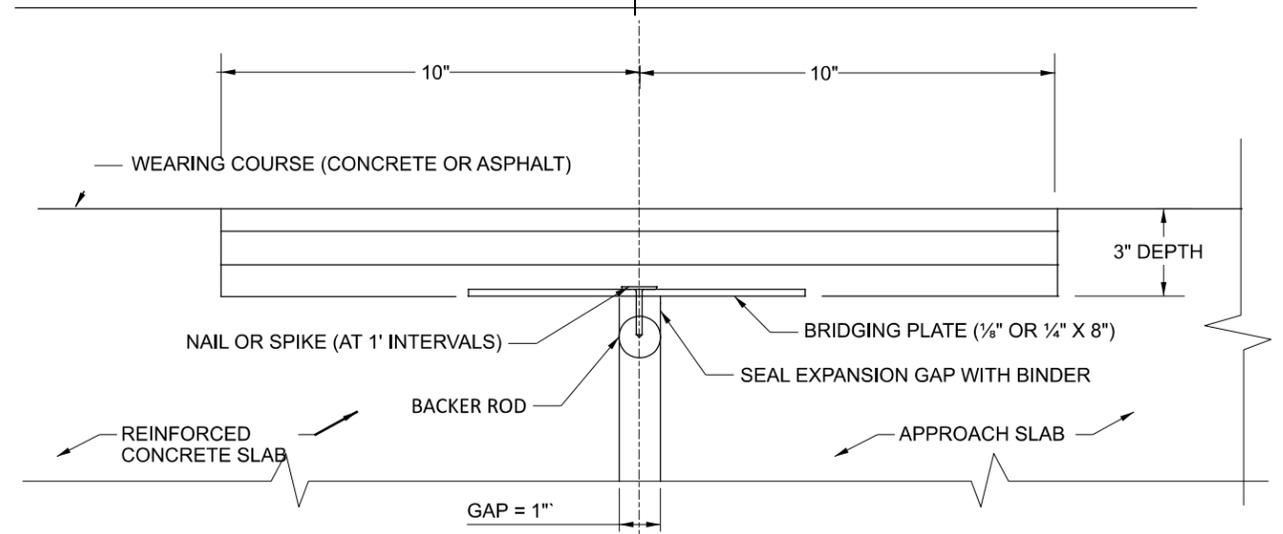
PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 202 BRIDGE TERMINAL ASSEMBLY REMOVED

THIS PAY ITEM IS TO INCLUDE REMOVAL OF ALL EXTRA GUARDRAIL COMPONENTS IN EXCESS OF NORMAL GUARDRAIL WITHIN THE LIMITS OF THE BRIDGE TERMINAL ASSEMBLY.

ITEM 606 BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN
 THIS PAY ITEM SHALL INCLUDE THE COST TO FURNISH AND INSTALL ALL GUARDRAIL COMPONENTS (NORMAL AND EXTRA) OF THE 25' LONG BRIDGE TERMINAL ASSEMBLY, TYPE 4 AS SEEN ON THE PLAN INSERT SHEET.

TYPICAL POLYMER MODIFIED ASPHALT EXPANSION JOINT FOR CONCRETE SLAB



ITEM 846-POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

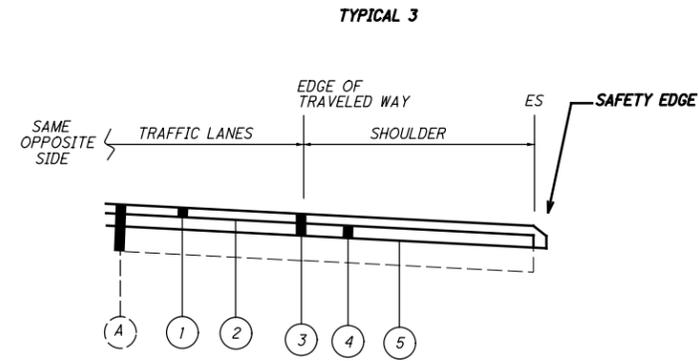
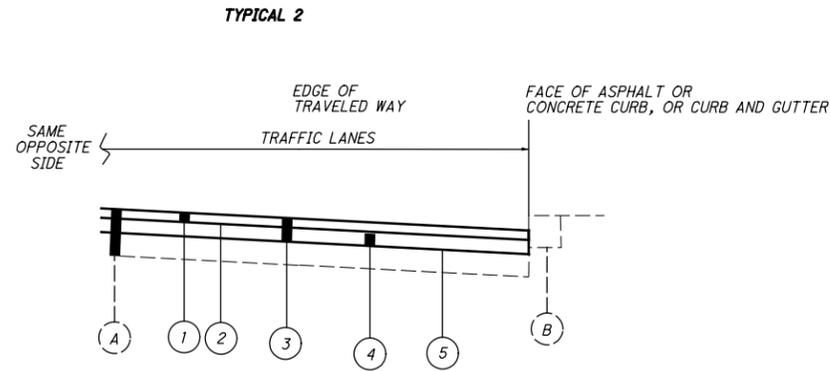
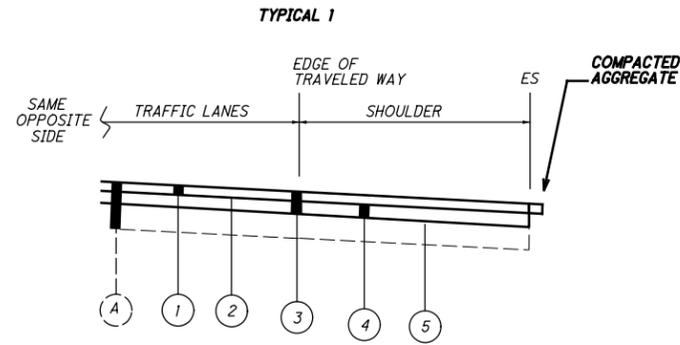
THE REPLACEMENT POLYMER MODIFIED ASPHALT (PMA) EXPANSION JOINT SHALL EXTEND 0.25" MINIMUM DEEPER IN DEPTH THAN THE EXISTING PMA JOINT. THE DETAIL BELOW WAS USED AS A BASIS TO ESTIMATE A QUANTITY FOR ITEM 846.

WIDTH = 1.67 FT
 DEPTH = 0.25 FT
 LENGTH = SEE TABLE BELOW

VOLUME = (WIDTH)*(DEPTH)*(LENGTH)

POLYMER MODIFIED ASPHALT (PMA) EXPANSION JOINT				
BRIDGE LOCATION	# OF JOINTS	PMA EXPANSION JOINT LENGTHS (FT)	VOLUME (CU FT)	TOTAL (CU FT)
CLI-73-2045	2	28	11.2	22.4
		28	11.2	
CLI-73-2169	2	44	18.37	36.74
		44	18.37	





- (A) EXISTING ASPHALT CONCRETE PAVEMENT
- (1) ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG64-22
- (2) ITEM 407 - NON-TRACKING TACK COAT @ 0.06 GAL/SQ YD
- (3) ITEM 254 - 3.00" PAVEMENT PLANNING ASPHALT CONCRETE
- (4) ITEM 441 - 1.75" ASPHALT INTERMEDIATE COURSE, TYPE 2 (448)
- (5) ITEM 407 - NON-TRACKING TACK COAT @ 0.09 GAL/SQ YD

PLAN SPLIT	COUNTY-ROUTE	LOG POINT (MILE)		LENGTH		PAVEMENT AREA (Micro-Station Generated Area)	PAVEMENT AREA SQ YD	209	254		407	407	441			441		653	659	617			NOTES					
		FROM	TO	PREPARING SUBGRADE FOR SHOULDER PAVING	PAVEMENT PLANING ASPHALT CONCRETE			PATCHING PLANED SURFACE	NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	NON TRACKING TACK COAT @ 0.06 GAL/SQ YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)	TOPSOIL FURNISHED AND PLACED	SEEDING AND MULCHING	COMPACTED AGGREGATE, DEPTH = SURFACE + INTER. THICKNESS	COMPACTED AGGREGATE, 1.5" DEPTH, 12" WIDTH	SHOULDER PREPARATION	WATER @ 20 GAL/CU YD										
				DEPTH							THICK-NESS		SAFETY EDGE	THICK-NESS														
				MILES	FT	SQ FT	SQ YD	MILES	INCHES	SQ YD	SQ YD	GAL	GAL	INCHES	CU YD	CU YD	INCHES	CU YD	CU YD	SQ YD	CU YD	CU YD	SQ YD	MGAL				
01/STR/05	CLI-28	17.08	17.52	0.44	2323	97550	10839																					
		17.52	18.16	0.64	3379	95861	10651	1.28	3.00	10838.9	109	975.5	650.3	1.25	376.4		13.5	1.75	526.9									
01/STR/05	CLI-73	14.91	15.40	0.49	2587	68490	7610	0.98	3.00	7610.0	77	684.9	456.6	1.25	264.2	10.4		1.75	369.9						0.59			
01/STR/05	CLI-73	15.40	15.90	0.50	2640	77910	8657	1.00	3.00	8656.7	87	779.1	519.4	1.25	300.6	10.6		1.75	420.8						0.60			
01/STR/05	CLI-73	15.90	16.40	0.50	2640	78128	8681	1.00	3.00	8680.9	87	781.3	520.9	1.25	301.4	10.6		1.75	422.0						0.60			
01/STR/05	CLI-73	16.40	16.90	0.50	2640	73410	8157	1.00	3.00	8156.7	82	734.1	489.4	1.25	283.2	10.6		1.75	396.5						0.60			
01/STR/05	CLI-73	16.90	17.40	0.50	2640	74180	8242	1.00	3.00	8242.2	83	741.8	494.5	1.25	286.2	10.6		1.75	400.7						0.60			
01/STR/05	CLI-73	17.40	17.90	0.50	2640	74100	8233	1.00	3.00	8233.3	83	741.0	494.0	1.25	285.9	10.6		1.75	400.2						0.60			
01/STR/05	CLI-73	17.90	18.40	0.50	2640	77130	8570	1.00	3.00	8570.0	86	771.3	514.2	1.25	297.6	10.6		1.75	416.6						0.60			
01/STR/05	CLI-73	18.40	18.90	0.50	2640	76830	8537	1.00	3.00	8536.7	86	768.3	512.2	1.25	296.4	10.6		1.75	415.0						0.60			
01/STR/05	CLI-73	18.90	19.40	0.50	2640	77520	8613	1.00	3.00	8613.3	87	775.2	516.8	1.25	299.1	10.6		1.75	418.7						0.60			
01/STR/05	CLI-73	19.40	19.90	0.50	2640	79766	8863	1.00	3.00	8862.9	89	797.7	531.8	1.25	307.7	10.6		1.75	430.8						0.60			
01/STR/05	CLI-73	19.90	20.40	0.50	2640	80325	8925	1.00	3.00	8925.0	90	803.3	535.5	1.25	309.9	10.6		1.75	433.9						0.60			
01/STR/05	CLI-73	20.40	20.90	0.50	2640	73820	8202	1.00	3.00	8202.2	83	738.2	492.1	1.25	284.8	10.6		1.75	398.7						0.60			
01/STR/05	CLI-73	20.90	21.40	0.50	2640	66400	7378	1.00	3.00	7377.8	74	664.0	442.7	1.25	256.2	10.6		1.75	358.6						0.60			
01/STR/05	CLI-73	21.40	21.90	0.50	2640	73345	8149	1.00	3.00	8149.4	82	733.5	489.0	1.25	283.0	10.6		1.75	396.2						0.60	ONLY MILL AND REPLACE SURFACE COURSE ON BRIDGE CLI-73-2169		
01/STR/05	CLI-73	21.90	22.40	0.50	2640	79566	8841		3.00	8840.7	89	795.7	530.4	1.25	307.0			1.75	429.8					24.4	586.7	0.50		
01/STR/05	CLI-73	22.40	22.72	0.32	1690	63442	7049		3.00	7049.1	71	634.4	422.9	1.25	244.8			1.75	342.7					15.6	375.5	0.30		
01/STR/05	LEKARD	0.00	0.02	0.02	90	2628	292	0.03					17.5	1.25	10.1	0.4		1.75	14.2					1.0	0.8	19.9	0.02	PLACING SURFACE, COORDINATE WITH PID 115715
TOTALS CARRIED TO GENERAL SUMMARY								16		154197	1552	23148		5527		7510	27	516	463	982	10.00							

DESIGN AGENCY



DESIGNER
JED

REVIEWER
JDO 04/20/2023

PROJECT ID
105165

SHEET TOTAL
P.6 | 20