

SHEET NUM.								PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	
5	6	7	12	21	23	25	26	OFFICE CALCS	01/STR/10	EXT	TOTAL				
													WATER WORK		
				257					257	638	02751	257	FT	12" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900, DR-14, AS PER PLAN	21
				159					159	638	05600	159	FT	2" POLYETHYLENE SERVICE BRANCH	
				48					48	638	06708	48	FT	24" STEEL PIPE ENCASUREMENT, OPEN CUT	
				1					1	638	07690	1	EACH	2" GATE VALVE AND VALVE BOX	
				2					2	638	08100	2	EACH	12" GATE VALVE AND VALVE BOX	
				1					1	638	10481	1	EACH	FIRE HYDRANT REMOVED, AS PER PLAN	21
				1					1	638	11201	1	EACH	METER, SETTING, STOP AND CHAMBER, AS PER PLAN	21
														TRAFFIC CONTROL	
							52		52	630	03100	52	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
							1		1	630	08600	1	EACH	SIGN POST REFLECTOR	
							1		1	630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
							16		16	630	80100	16	SF	SIGN, FLAT SHEET	
							2		2	630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							2		2	630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							3		3	630	87500	3	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
							0.06		0.06	642	00300	0.06	MILE	CENTER LINE, TYPE 1	
							25		25	642	00500	25	FT	STOP LINE, TYPE 1	
							30		30	642	00800	30	FT	CURB MARKING, TYPE 1	
							228		228	642	01200	228	FT	PARKING LOT STALL MARKING, TYPE 1	
							1		1	644	01600	1	EACH	HANDICAP SYMBOL MARKING	
														BUILDING DEMOLITION	
	LS							LS	LS	202	56001	LS		BUILDING DEMOLISHED, AS PER PLAN (BUILDINGS A, B, CONSTRUCTION OF A NEW WALL FOR C)	6
	LS							LS	LS	202	56001	LS		BUILDING DEMOLISHED, AS PER PLAN: SECURITY GUARD	6
														STRUCTURE OVER 20 FOOT SPAN	
														SEE SHEET 42 FOR FUL-120-14.08 ESTIMATED QUANTITIES	
														MAINTENANCE OF TRAFFIC	
				112					112	204	10000	112	SY	SUBGRADE COMPACTION	
				223					223	254	01000	223	SY	PAVEMENT PLANING, ASPHALT CONCRETE (2.5")	
				13					13	301	56000	13	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
				19					19	304	20000	19	CY	AGGREGATE BASE	
				47					47	407	20000	47	GAL	NON-TRACKING TACK COAT	
				31					31	441	70000	31	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
				LS					LS	614	12420	LS		DETOUR SIGNING	
				3					3	617	25000	3	MGAL	WATER	
														INCIDENTALS	
				LS				LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
								6	6	619	16010	6	MNTH	FIELD OFFICE, TYPE B	
								LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
								LS	LS	624	10000	LS		MOBILIZATION	



WATER WORK

ITEM 638 - CONSTRUCT WATER MAINS AND SERVICE BRANCHES, INCLUDING FIRE HYDRANTS, WATER METERS, CORPORATION STOPS, SERVICE BOXES, SERVICE STOPS, VALVES, FITTINGS AND VALVE BOXES PER ODOT CMS, EXCEPT AS NOTED.

LAYOUT AND ALIGNMENT

UNLESS OTHERWISE NOTED, THE WATER MAIN DEPTH SHALL BE A MINIMUM OF 5'-0" TO TOP OF PIPE.

THE FOLLOWING DISTANCES SHALL BE MAINTAINED FROM THE WATER MAIN:

SANITARY SEWER:

10-FOOT MIN. HORIZONTAL SEPARATION, OUT-TO-OUT

SANITARY SEWER (CROSSING):

18-INCH MIN. VERTICAL SEPARATION, OUT-TO-OUT

STORM SEWER:

4-FOOT MIN. HORIZONTAL SEPARATION, OUT-TO-OUT

STORM SEWER (CROSSING):

18-INCH MIN. VERTICAL SEPARATION, OUT-TO-OUT

12" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900, DR14, AS PER PLAN

WATER MAIN MATERIAL SHALL BE PVC CONFORMING TO THE AWWA C900 OR C905, DR14 OR DR21, DIPS, ASTM D1784, AND CELL CLASSIFICATION 12454.

PAYMENT FOR THIS ITEM WILL BE MADE AT THE CONTRACT UNIT PRICE PER FOOT OF WATER MAIN INSTALLED INCLUDING ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK.

TRACER WIRE

ALL PVC PIPE SHALL BE PROVIDED WITH #12 SOLID COPPER TRACING WIRE. TRACER WIRE SHALL BE CONNECTED TO EACH VALVE BOX.

THE COST FOR TRACER WIRE SHALL BE INCLUDED IN THE PRICE BID PER FOOT OF WATER MAIN.

VALVES AND VALVE BOXES

ALL GATE VALVE AND VALVE BOXES SHALL BE WRAPPED WITH POLYETHYLENE ENCASUREMENT.

THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE PRICE BID EACH FOR VALVES AND VALVE BOXES.

FIRE HYDRANT REMOVED, AS PER PLAN

EXISTING HYDRANTS SHALL REMAIN THE PROPERTY OF FULTON COUNTY AND SHALL BE REMOVED, SALVAGED AND DELIVERED BY THE CONTRACTOR TO THE FULTON COUNTY WATER DEPARTMENT SERVICE SHOP. THE CONTRACTOR SHALL COORDINATE THE DELIVERY WITH THE FULTON COUNTY ENGINEER CONTACT IN THE GENERAL NOTES.

NOTIFICATION OF PROPERTY OWNERS

THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWO (2) WORKING DAYS EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS PRIOR TO THE INTERRUPTION OF WATER SERVICE FOR ANY REASON. THE NOTIFICATIONS SHALL ALSO BE PROVIDED TO THE OHIO DEPARTMENT OF TRANSPORTATION, THE FULTON ENGINEER WATER DEPARTMENT, AND THE VILLAGE OF METAMORA. CONTACT INFORMATION FOR THE ABOVE ARE INCLUDED IN THE GENERAL NOTES.

THE COST OF THE NOTIFICATIONS SHALL BE INCIDENTAL TO THE PRICE BID PER FOOT OF WATER MAIN.

TEMPORARY WATER MAIN CLOSURE AND MAINTENANCE OF SERVICE

WATER SERVICE SHALL BE MAINTAINED TO THE SURROUNDING PROPERTIES AT ALL TIMES, EXCEPT AS NOTED BELOW.

THE WATER MAIN SHALL BE CLOSED FOR A PERIOD NOT TO EXCEED 8 HOURS TO INSTALL PROPOSED VALVES ON EITHER SIDE OF THE BRIDGE. CONTRACTOR TO COORDINATE WITH FULTON COUNTY TO CLOSE THE APPROPRIATE VALVES.

THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE PRICE BID PER FOOT OF WATER MAIN.

WATERLINE INSTALLATION

THE INSTALLATION OF THE WATERLINE UNDER THE FOOTINGS SHALL OCCUR PRIOR TO THE INSTALLATION OF THE TEMPORARY COFFERDAM SHEETING. ONCE THE WATERLINE IS IN PLACE, STEP THE SHEETING OVER THE WATERLINE AS SHOWN ON SHEET 48. PROVIDE A MINIMUM OF 2' IN ANY DIRECTION BETWEEN THE ENCASUREMENT AND SHEETING.

ITEM 638 - METER, SETTING, STOP AND CHAMBER, AS PER PLAN

THE CONTRACTOR SHALL FURNISH AND INSTALL A WATER METER AND WATER METER PIT PER THE BELOW FULTON COUNTY STANDARDS.

"FULTON COUNTY NORTHEAST WATER SYSTEM SERVICE LINE & METER SPECIFICATIONS", WHICH CAN BE FOUND ONLINE AT <https://fultoncountyoh.com/DocumentCenter/View/215/NEWS-Water-Tap-Packet?bidId=>

ALL LABOR, MATERIALS, AND EQUIPMENT NEEDED FOR THE CONTRACTOR TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 638 - METER, SETTING, STOP AND CHAMBER, AS PER PLAN

REF NO.	SHEET NO.	STATION TO STATION		OFFSET	202	202	611	611	638	638	638	638	638	638	638
					PIPE REMOVED, 24" AND UNDER (SANITARY)	MANHOLE REMOVED (SANITARY)	MANHOLE, NO. 3, AS PER PLAN (SANITARY)	MANHOLE ADJUSTED TO GRADE (SANITARY)	12" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900-97, DR14, AS PER PLAN	24" STEEL PIPE ENCASUREMENT, OPEN CUT	12" GATE VALVE AND VALVE BOX	FIRE HYDRANT REMOVED, AS PER PLAN	METER, SETTING, STOP AND CHAMBER, AS PER PLAN	2" GATE VALVE AND VALVE BOX	2" POLYETHYLENE SERVICE BRANCH
					FT	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	FT
SA-1	22	742+54.06	TO	742+88.06	34	1									
SA-2	22			743+04.82				1							
SA-3	22			744+21.67 ±	14		1								
W-1	22	742+55.11	TO	744+01.11					257						
W-2	22			742+55.11							1				
W-3	22			742+94.33								1			
W-4	22	743+03.89	TO	743+51.59						48					
W-5	22			743+92.84							1				
W-6	22	743+63.12	TO	743+96.12											36
W-7	22	743+85.19	TO	743+97.12											17
W-8	22	743+98.20	TO	744+45.83											101
W-9	22			744+17.63									1		
W-10	22			744+39.43										1	5
TOTALS CARRIED TO GENERAL SUMMARY					48	1	1	1	257	48	2	1	1	1	159

DESIGN AGENCY



BERGMANN
 ARCHITECTS ENGINEERS PLANNERS
 3234 Executive Parkway, Ste. 111,
 Toledo, OH 43606

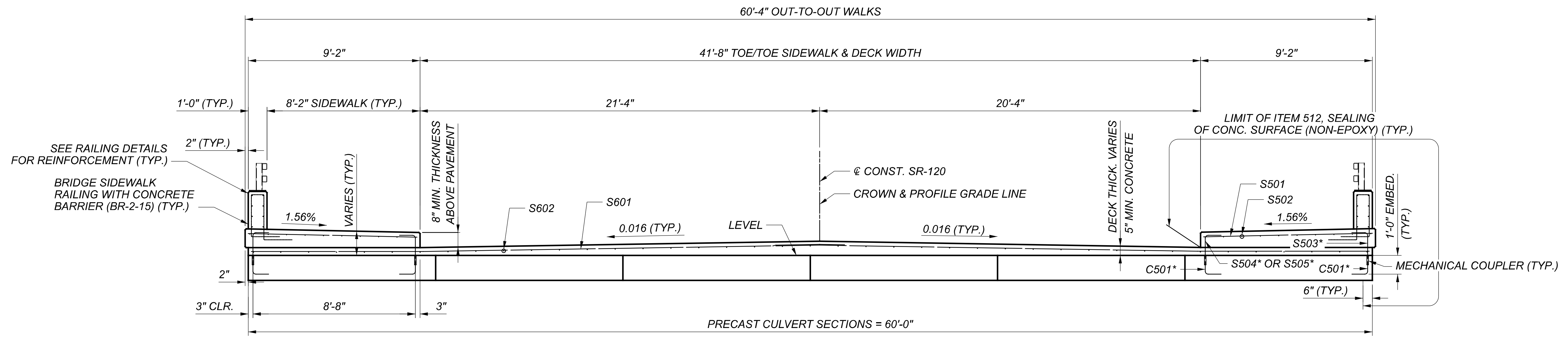
DESIGNER

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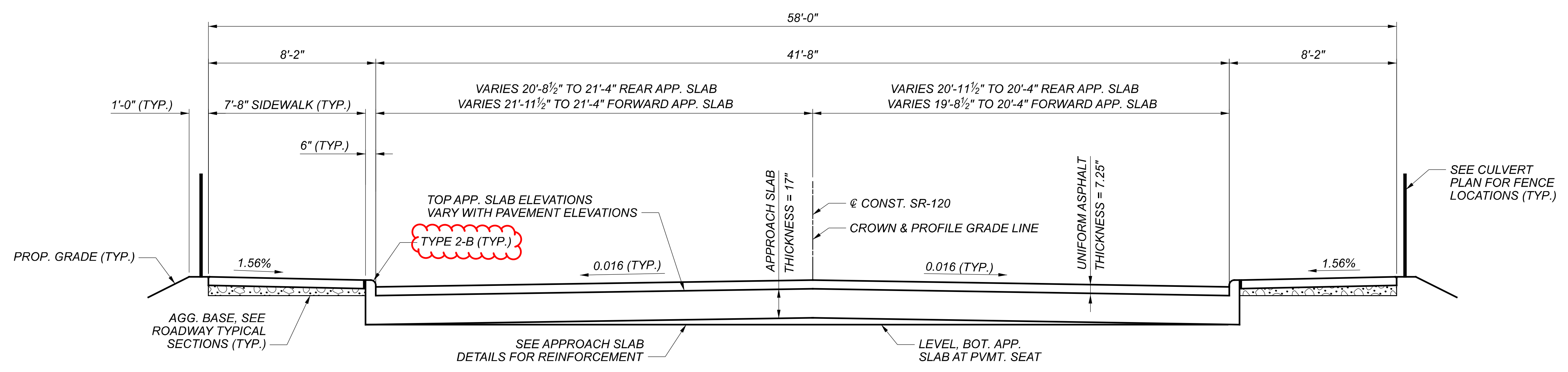
REVIEWER
 XF 03/29/24

PROJECT ID
 101140

SHEET TOTAL
 21 | 74



TRANSVERSE SECTION
(LOOKING UPSTATION)



APPROACH SECTION
(LOOKING UPSTATION)

TRANSVERSE SECTION
 BRIDGE NO. FUL-120-14.08
 SR 120 OVER TEN MILE CREEK

DESIGN AGENCY	
BERGMANN ARCHITECTS ENGINEERS PLANNERS 324 Executive Parkway, Ste. II, Tulso, OR 97008	
DESIGNER	
JAM	
REVIEWER	
MTG 03/29/24	
PROJECT ID	
101140	
SUBSET	TOTAL
20	24
SHEET	TOTAL
58	74