PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT-OF-WAY LIMITS. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS. DEPARTMENT OF PUBLIC SERVICE -PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE: 614-645-7497; FAX: 614-645-1876; EMAIL: COLSPERMITS@COLUMBUS.GOV.

STREET CLEANING

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECCESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

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 8 PM AND 7 AM. 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.

PUBLIC TREE PRESERVATION

ALL PUBLIC TREES AND THE GROUND BELOW THEIR RESPECTIVE DRIP LINES. WHETHER SHOWN OR NOT SHOWN ON THE PLANS. ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECREATION & PARKS (CRPD)/ CITY FORESTER OR IF THE PUBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL SITE COMPLIANCE PLAN. TREES APPROVED FOR REMOVAL BY EITHER OF THE CRPD/CITY FORESTER SHALL BE PAID FOR UNDER C&MS ITEM 201. CLEARING AND GRUBBING, UNLESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE ALL CLEARING AND GRUBBING DONE ON CRPD PROPERTY, RIGHT-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD INSPECTOR, KEITH MAY, AT 614-645-3014 OR KAMAY@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS. SUCH AS PLYWOOD. LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. IF A PUBLIC TREE NEEDS TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE A TREE MITIGATION PLAN TO JIM LONG AT 614-645-2864 OR RWWRIGHT@COLUMBUS.GOV AND EMAIL AND REFER TO THE CRPD TREE MITIGATION PLAN GUIDANCE, ANSI A300 AND/OR CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE REPLACEMENT.

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.

PUBLIC TREE PROTECTION

A TREE PROTECTION PLAN WITH A DRAWING OF ANY WORK LOCATED WITHIN THE DRIP LINE OF A PUBLIC TREE SHALL BE INCLUDED IN THE APPROVED FINAL SITE COMPLIANCE PLAN (FSCP). REFER TO CRPD STANDARD DRAWING FOR TREE PROTECTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS. FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED. STORED, DUMPED OR PARKED WITHIN THE DRIP LINE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION. AS DESCRIBED IN THE BEST MANAGEMENT PRACTICES - MANAGING TREES DURING CONSTRUCTION. A COMPANION PUBLICATION TO ANSI A300 PART 5. IF THERE IS A QUESTION WHETHER OR NOT A TREE NEEDS TO BE PROTECTED, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY REPRESENTATIVE JIM LONG AT 614-645-2864 OR RWWRIGHT@COLUMBUS.GOV. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING CITY FORESTRY FOR THE COST OF ANY AND ALL DAMAGE AS DETERMINED BY THE CURRENT ANSI A300/CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE PROTECTION AND REPLACEMENT.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

5 HOUR 204. PROOF ROLLING

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 C&MS SECTION 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF C&MS SECTION 203.05.

UNSTABLE OR UNSUITABLE SOILS FOR PAVEMENT STABILIZATION THE FOLLOWING ITEMS AND QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO ADDRESS UNSTABLE OR UNSUITABLE SOILS ENCOUNTERED BELOW THE PROPOSED SUBGRADE ELEVATION IN THE AREAS OF PAVEMENT CONSTRUCTION.

204, EXCAVATION OF SUB 204. GRANULAR MATERIA 204. GEOTEXTILE FABRIC 204, GEOGRID ------

ITEM 204 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER *PLAN (T*=3")

THIS ITEM SHALL BE USED AT THE DISCRETION OF THE ENGINEER TO REMOVE AND REPLACE THE TOP 3 INCHES OF ASPHALT BETWEEN THE WIDENED PAVEMENT ON MCCOMB ROAD FROM STATION 11+30 TO STATION 18+07.15. THE DETERMINATION WHETHER TO RESURFACE THIS AREA AS SHOWN ON THE PLANS WILL BE BASED ON THE CONDITION OF THE EXISTING PAVEMENT AFTER ALL EMBANKMENT WIDENING AND BRIDGE WORK IS COMPLETE.

GRADE	200 CY
L, TYPE B ·····	200 CY
	400 SY
	400 SY

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350 OR MASH 2016)

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 ROAD-SIDE 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 A SHEET OF TYPE J. ASTM D4956 TYPE XI SHEETING. PER C&MS 730.193.

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 PLACE-MENT 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.

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 180-12. EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS. USE STANDARD DRAWING MGS-4.3 GUARDRAIL TRANSITIONS WHEN CONNECTING MGS TO TYPE 5 GUARDRAIL.

ITEM 607 - FENCE REBUILT

CAREFULLY RECONDITION AND RE-ERECT FENCE AND COMPONENT PARTS AS DETAILED ON THE PLANS. DO NOT DAMAGE THE FENCE OR COMPONENT PARTS. ANY NEW PARTS WHICH ARE NEEDED. AS DETERMINED BY THE ENGINEER. WILL BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

THE AMOUNT OF REBUILT FENCE TO BE PAID FOR WILL BE THE NUMBER OF FEET REBUILT. COMPLETE IN PLACE. AND MEASURED AS PROVIDED FOR IN SECTION 607.09 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS)

PAYMENT FOR THE ABOVE WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 607. FENCE REBUILT.

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.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREAIS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSSE OF THE PROJECT. DOP SHAL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STEETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO SECTION 1001.18 OF THE CMSC MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHTING/TAGOUT (LOTO) PROCEDURE MIS-01, COPIES OF WHICH ARE AVAILABLE FROM DOP.

ITEM 606 - GUARDRAIL, MISC: REMOVE AND RESET THIS ITEM SHALL CONSIST OF REMOVING EXISTING GUARDRAIL PANELS AND GUARDRAIL POSTS TO COMPLETE WORK AS NEEDED. ALL PANELS AND POSTS SHALL BE REMOVED IN A MANNER TO AVOID ANY DAMAGE TO THEM AND SURROUNDING PANELS AND POSTS. GUARDRAIL, MISC., REMOVE AND RESET SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

PAYMENT FOR ALL LABOR. EQUIPMENT AND MATERIALS FOR THE CONTRUCTION WORK SHALL BE INCLUDED IN THE BID UNIT FOR ITEM 606 - GUARDRAIL, MISC.: REMOVE AND RESET.

ITEM 622 - CONCRETE BARRIER, TYPE D, AS PER PLAN THIS ITEM SHALL CONSIST OF REMOVING PORTIONS OF THE EXISTING CONCRETE BARRIER IN FRONT OF PIERS 1 AND 3 AT THE FRA-270-0096 STRUCTURE (GANTZ ROAD) TO FACILITATE PIER WIDENING, AND REPLACING THE CONCRETE BARRIER UPON COMPLETION OF THE PIER WORK. REMOVAL LIMITS SHALL BE APPROVED BY THE ENGINEER. USE A SAW CUT AT THE LIMITS OF THE REMOVAL, UNLESS REMOVING TO AN EXISTING CONTRACTION JOINT. RECONSTRUCT BARRIER TO MATCH SHAPE OF EXISTING BARRIER, INCLUDING FOOTER IF PRESENT. AT PIER 3 THE NEW BARRIER SHOULD EXTEND PAST THE NEW COLUMN. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE BID UNIT FOR ITEM 622 – CONCRETE BARRIER, TYPE D, AS PER PLAN.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

FOR THE DIVISION OF POWER

THE DIVISION OF POWER (DOP) MAY HAVE UNDERGROUND OR OVERHEAD PRIMARY POWER, SECONDARY POWER, CONDUIT SYSTEMS AND STREET LIGHTING AT THESE WORK LOCATIONS. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 or 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES. AND REQUIRES EMERGENCY REPAIRS. THE DOP DISPATCH OFFICE SHOULD BE CONACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

606. GUARDRAIL. MISC: REMOVE AND RESET 100 FT

622, CONCRETE BARRIER, TYPE D,

AS PER PLAN - 80 FT

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					74						8	66		202	35100	74	FT	PIPE REMOVED, 24" AND UNDER
					742.5	2,656				3,130.7		267.71		202	38000	3,398.5	FT	GUARDRAIL REMOVED
						6				6		4		202 202	42000 42206	6	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A
					2 4	4				7		1		202	47000	8	EACH EACH	ANCHOR ASSEMBLY REMOVED BRIDGE TERMINAL ASSEMBLY REMOVED
						-				-								
					203					203				202	75000	203	FT	FENCE REMOVED
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			0.044	4 707		5,723	4,906			200	2,944	1,785	5,700	203	20000	10,629	CY	
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200											50	50	100	204	13000	200		
200											50	50	100	204	30010	200	CY	GRANULAR MATERIAL, TYPE B
5				1						6				204	45000	6	HOUR	PROOF ROLLING
400											100	100	200	204	50000	400	SY	GEOTEXTILE FABRIC
400					745	500				4.045	100	100	200	204	51000	400	SY	
					745	500				1,245				606	15050	1,245	FT	GUARDRAIL, TYPE MGS
						1,938				1,938				606	15100	1,938	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS
						6				6				606	25550	6	EACH	ANCHOR ASSEMBLY, MGS TYPE A
					1					1				606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E, (MASH 2016)
					1					1				606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T
						2				2				606	35000	2	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1
					4					4				606	35002	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1
						2				2				606	35100	2	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2
100											100			606	98000	100	FT	GUARDRAIL, MISC.: REMOVE AND RESET
					164					164				607	15000	164	FT	FENCE, TYPE 47
						158				158				607	35000	158	FT	FENCE REMOVED AND REBUILT
					654						340	314		607	98000	654	FT	FENCE, MISC.: WOOD FENCE
					004	253				253	340	514		608	10000	253	SF	4" CONCRETE WALK
			688			200				200	298	390		608	15000	688	SF	8" CONCRETE WALK
			688								298	390		608	52000	688	SF	CURB RAMP
			76								40	36		608	53020	76	SF	DETECTABLE WARNING
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																		ERO
	11				2					13		00		601	21050	13	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAY
					44	63				63	24	20		601 601	21060 32000	107	SY CY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYN ROCK CHANNEL PROTECTION, TYPE A WITH FILTER
		85				1				85				616	10000	85	MGAL	WATER
	1,121				13.2					23	164.2	215.7	734	659	00300	1,134.2	CY	TOPSOIL
	5,732									198			5,534	659	00500	5,732	SY	SEEDING AND MULCHING, CLASS 1
	3,277									40	1,358	1,919	077	659	10000	3,277	SY	SEEDING AND MULCHING
	451 451									10 10	68 68	96 96	277 277	659 659	14000 15000	451 451	SY SY	REPAIR SEEDING AND MULCHING INTER-SEEDING
	0.44									10	0.18	0.26	<u> </u>	659	20000	0.44	TON	COMMERCIAL FERTILIZER
	1.87									0.05	0.28	0.4	1.14	659	31000	1.87	ACRE	LIME
	64									2	7	10	45	659	35000	64	MGAL	WATER
					258						11	247		660	25000	258	SY	SODDING STAKED
					118.9 23.0	E00					118.9	22 U	528	670 670	00500	118.9 551.9	SY SY	SLOPE EROSION PROTECTION
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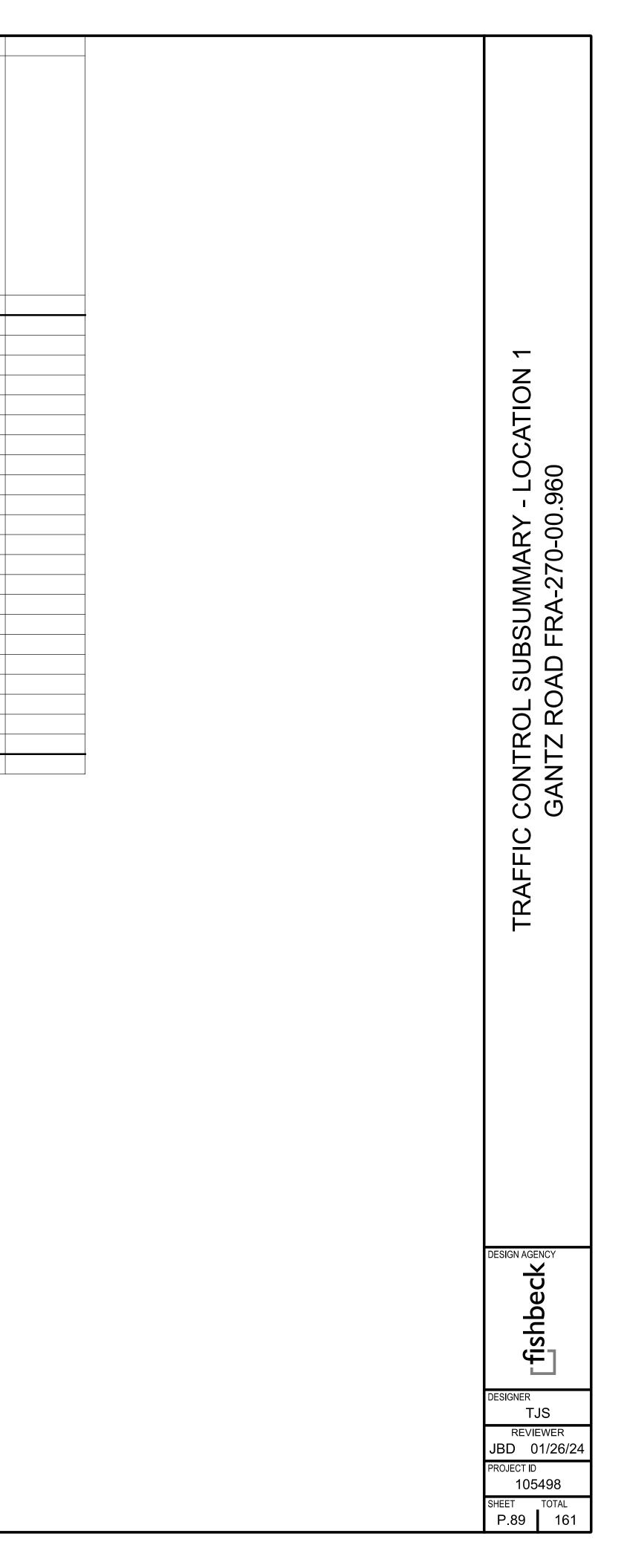
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	0.21	0.25			602	20000	0.5	CY	CONCRETE MASONRY
	100				605	05200	100	FT	4" UNCLASSIFIED PIPE UNDERDRAINS
4	363	40	70	200	605	06000	363	FT	4" BASE PIPE UNDERDRAINS
		42	72	382	605	31100	496	FT	AGGREGATE DRAINS
	67				611	00100	67	FT	4" CONDUIT, TYPE B
_	200				611	00406	200	FT	4" CONDUIT, TYPE F
+	61 11		66		611 611	00410 04900	61 77	FT FT	4" CONDUIT, TYPE F FOR UNDERDRAIN O 12" CONDUIT, TYPE D, 706.02
	87				611	05200	87	FT	12" CONDUIT, TYPE F, 707.05 TYPE C OR 7
+	27				611	05900	27	FT	15" CONDUIT, TYPE B
	96	367			611	06100	463	FT	15" CONDUIT, TYPE C
	4				611	98180	4	EACH	CATCH BASIN, NO. 3A
4	1	3			611	99574	4	EACH	MANHOLE, NO. 3
	7				611	99710	7	EACH	PRECAST REINFORCED CONCRETE OUTL
+	448			643	254	01001	1,091	SY	PAVEMENT PLANING, ASPHALT CONCRET
	64	34	86		255	20000	184	FT	FULL DEPTH PAVEMENT SAWING
	204	2	5	139	301	56000	349	CY	ASPHALT CONCRETE BASE, PG64-22, (449
	160	73	140	167	304	20000	539	CY	AGGREGATE BASE
+	199	24	43	195	407	20000	459	GAL	NON-TRACKING TACK COAT
	42			80	411	10000	122	CY	STABILIZED CRUSHED AGGREGATE
	121	15	27	125	441	70000	287	CY	ASPHALT CONCRETE SURFACE COURSE,
-	8	21	37 78		441 609	70300 12000	65 78	CY FT	ASPHALT CONCRETE INTERMEDIATE COL COMBINATION CURB AND GUTTER, TYPE
	91		10		609	24510	91	FT	CURB, TYPE 4-C
		26		313	609	26000	339	FT	CURB, TYPE 6
+									
			2		SPECIAL	63820500	2	EACH	VALVE BOX ADJUSTED TO GRADE (COL. 8
+	LS				638	98100	LS		WATER WORK, MISC.: SURVEY COORDINA
1	6				621	00100	6	EACH	RPM
	4				621	54000	4	EACH	RAISED PAVEMENT MARKER REMOVED
	13				626	00112	13	EACH	BARRIER REFLECTOR, TYPE 3, ONE-WAY
		25	100		630	03100	125	FT	GROUND MOUNTED SUPPORT, NO. 3 POS
+		2	6	5	630	85100	13	EACH	REMOVAL OF GROUND MOUNTED SIGN A
		22	37		644	00500	59	FT	STOP LINE
		87	258		644	00620	345	FT	CROSSWALK LINE, 12"
		100	~~205~~		644	00700	100	FT	TRANSVERSE/DIAGONAL LINE
	0.33	Y Y 40 Y Y	r r zpur r		646	10000	0.33	MILE	EDGE LINE, 4"
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WATER WORK		
807)	P.11	
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TRAFFIC CONTROL		
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		SHEET TOTAL P.25 161

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							621	630	630	644	644	644	644	646	646	2
	REF NO.	SHEET NO.	STATION	N TO S	STATION	SIDE	RPM	GROUND MOUNTED SUPPORT, NO. 3 POST	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	CROSSWALK LINE, 12"	STOP LINE	TRANSVERSE/DIAGONAL LINE	REMOVAL OF PAVEMENT MARKING	EDGE LINE, 6"	CENTER LINE	
							EACH	FT	EACH	FT	FT	FT	FT	<u> </u>	MILE	~
			LC	CATION	11									<u> </u>		3
	CW1	P.81	41+60.00	ТО	41+88.00	RT				112						2
	CW2	P.81	1+21.00	ТО	1+34.00	L/R				146			205	<u> </u>		3
	SL1	P.81	1+39.00	ТО	1+42.00	LT					37			{		2
	WEL1	P.82	47+00.00	ТО	52+50.00	LT	2							<u> </u>		<u>}</u>
	YDC1	P.82	47+00.00	ТО	52+50.00	RT	2							<u> </u>	0.11	3
				-1												2
	WEL2	P.82	47+00.00	ТО	52+50.00	RT	2							0.11		<u>}</u>
	YTL1	P.82	51+84.00	ТО	52+50.00	L/R						100				2
	CW3	P.83	55+04.00	ТО	55+56.00	LT				87				<u> </u>		<u>}</u>
	SL2	P.83	55+09.00	ТО	55+33.00	LT					22		36	<u> </u>		3
																2
	S1	P.81		1+05.00		LT		25.0	1					<u> </u>		3
	S2	P.81		45+05.00		LT		12.5	1					<u>></u>		2
	S3	P.81	ζ	46+55.00		LT		12.5	1							<u>}</u>
	S4	P.82		47+10.00		LT		12.5	1					<u> </u>		2
	S5	P.82	4	48+23.00		LT		25.0	1					>		<u>}</u>
				40.04.00				40.5	A					<u> </u>		2
	S6	P.82		48+31.00		RT		12.5						<u></u>		< ⊢
	S7	P.84		55+01.00		LT		12.5						<u>}</u>		<u>}</u>
	S8	P.84	ť	55+04.00	l	LT		12.5						<u> </u>		< ─────
⊢							6	125.00	0	215	50	100	241		0.11	<u>}</u>
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	イ し 日 日	ET N		SIDE	CODE	SIZE IGHT - INCHE	SIZE TH - INCH	OF GROUN	EDGE LINE, 4"	EDGE LINE, 6"	CENTER LINE							
mode			FROM TO					EACH	MILE	MILE	MILE	} 2						
No. N	DYL-2	86	18+32.00 21+68.00	CL							0.07	}						
No. N											0.03	}						
	ELW-2	84	11+30.00 18+32.00	RT						0.00								ATIC
0 0	ELW-4	86	18+32.00 21+68.00	LT					0.02			}						0C
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			TOTALS CARRIED TO GENER		L ARY		<u> </u>	5	0.33	0.13	0.24	X						105498

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