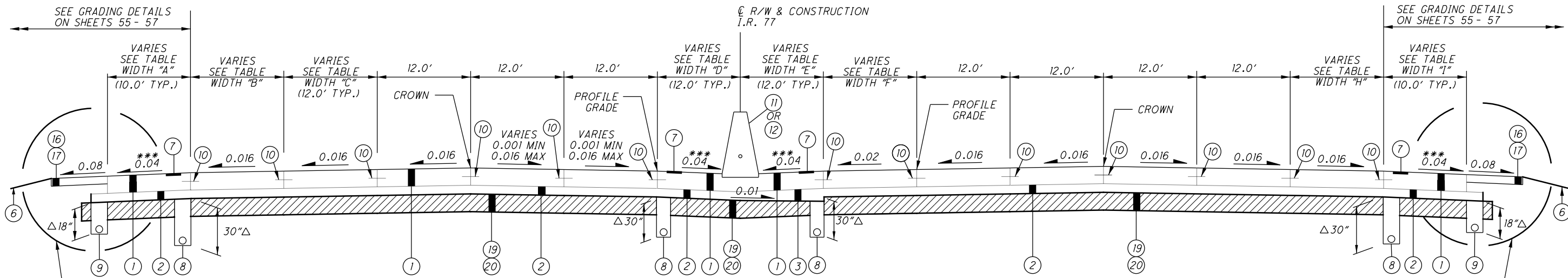


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I.R. 77 NORMAL SECTION

LIMITING STATIONS
 STA. 391+37.36 TO STA. 425+05.16
 STA. 427+10.73 TO STA. 429+01.43
 STA. 431+16.15 TO STA. 469+46.33

FOR EXISTING LEGEND, SEE SHEET 59
 FOR SUPERELEVATION TABLES, SEE SHEETS 805 - 806
 FOR WIDTH TABLE, SEE SHEET 36

NOTE 'A'
 TACK COAT SHALL BE APPLIED BETWEEN THE MULTIPLE LIFTS OF ITEM 302.

SEE EDGE DETAILS ON SHEET 54
 SEE GUARDRAIL INSTALLATION DETAIL ON SHEET 52
 SEE CURB DETAIL "A" ON SHEET 54
 SEE BARRIER DETAIL "A" ON SHEET 54
 SEE NOISE BARRIER G PLANS ON SHEETS 1101 - 1109

Δ - OR AS SHOWN IN UNDERDRAIN PLANS, SHEETS 922 - 925
 ○ - PROJECT WAS ORIGINALLY DESIGNED AS DUAL PAVEMENT, HOWEVER THE RIGID PAVEMENT OPTION HAS NOW BEEN REMOVED FROM THE PROJECT. ANY AND ALL REFERENCE THROUGHOUT THE PLANS TO RIGID PAVEMENT OPTION ARE NOW CONSIDERED NULL AND VOID.

* 0.04 OR RATE OF PAVEMENT SLOPE IF GREATER.
 ** FOR HIGH SIDE SHOULDER SLOPES, SEE SHOULDER DETAIL "A" ON SHEET 52.
 *** FOR SHOULDER SLOPES APPROACHING WARNER ROAD BRIDGE AND THE TUSCARAWAS RIVER BRIDGE SEE SUPERELEVATION TABLES ON SHEETS 805 - 806.

PROPOSED LEGEND

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> ① RIGID PAVEMENT OPTION USING:
ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC-1P WITH GC/OA ○ -OR- FLEXIBLE PAVEMENT OPTION USING:
ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN ITEM 442 - ANTI-SEGREGATION EQUIPMENT ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET) ITEM 442 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN ITEM 442 - ANTI-SEGREGATION EQUIPMENT ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET) ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22 ② ITEM 304 - 6" AGGREGATE BASE ③ ITEM 304 - VARIABLE DEPTH AGGREGATE BASE (6" MINIMUM) ④ ITEM 204 - SUBGRADE COMPACTION ⑤ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 ⑥ ITEM 659 - SEEDING AND MULCHING ⑦ RIGID OPTION:
ITEM 618 - RUMBLE STRIPS, SHOULDER (CONCRETE) ○ -OR- FLEXIBLE OPTION:
ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) ⑧ ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC | <ul style="list-style-type: none"> ⑨ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC ⑩ LONGITUDINAL JOINT AS PER BP-2.1 (FOR RIGID PAVEMENT OPTION) ○ ⑪ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 (4" ITS MULTICELL CONDUIT PER SCD RM-4.3) ⑫ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 (4" ITS MULTICELL CONDUIT PER SCD RM-4.3) ⑬ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D ⑭ ITEM 441 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN ⑮ ITEM 209 - LINEAR GRADING, AS PER PLAN ⑯ ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN
ITEM 617 - SHOULDER PREPARATION
ITEM 617 - WATER ⑰ ITEM 408 - PRIME COAT, AS PER PLAN ⑱ ITEM 606 - GUARDRAIL, TYPE MGS ⑲ ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 12" DEEP (SEE SHEET 69) ⑳ ITEM 204 - PROOF ROLLING ㉑ ITEM 601 - CONCRETE SLOPE PROTECTION ㉒ ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN ㉓ ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN ㉔ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/OA (T=15"), AS PER PLAN ㉕ ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/OA (T=17") | <ul style="list-style-type: none"> ⑳ ITEM 609 - CURB, TYPE 4-C, AS PER PLAN ㉑ ITEM 202 - PAVEMENT REMOVED ㉒ ITEM 441 - 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ㉓ ITEM 441 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) ㉔ ITEM 302 - 4" ASPHALT CONCRETE BASE, PG64-22 ㉕ ITEM 407 - NON-TRACKING TACK COAT (SEE NOTE 'A' ON THIS SHEET) ㉖ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE ㉗ ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN
ITEM 442 - ANTI-SEGREGATION EQUIPMENT ㉘ ITEM 442 - 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN
ITEM 442 - ANTI-SEGREGATION EQUIPMENT ㉙ ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22 ㉚ ITEM 601 - 12" ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN ㉛ ITEM 671 - EROSION CONTROL MAT, TYPE G ㉜ ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 ㉝ ITEM 601 - 18" RIPRAP, TYPE C ㉞ ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) |
|---|---|--|

REVISIONS		
NO.	DATE	DESCRIPTION
△	04/22/21	REVISED ITEM 601 DESCRIPTION

TYPICAL SECTIONS

SUM-77/277/224 VARIOUS

29
 1288

EROSION CONTROL

SEEDING AND MULCHING

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.

FOR SEEDING AND MULCHING QUANTITIES, SEE SHEETS 411 - 416

ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN

THIS ITEM SHALL CONSIST OF CONSTRUCTING CONCRETE PAVED GUTTER AS PER STANDARD CONSTRUCTION DRAWING DM-2.1 AND THE DETAILS AS SHOWN ON SHEETS 53 - 54 AT THE LOCATIONS SHOWN IN THE PLANS. THE GUTTER SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN IN THE DETAIL. A SIDE CUTOFF WALL SHALL BE CONSTRUCTED AS SHOWN PER THE DETAIL FOR THE ENTIRE LENGTH OF THE GUTTER. END CUTOFF WALLS SHALL BE AS PER STANDARD DRAWING DM-2.1. PEJF (PREFORMED EXPANSION JOINT FILLER) SHALL BE PER CMS 516 AND IS INCLUDED IN THE COST OF THE PAVED GUTTER.

ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE ABOVE-DESCRIBED WORK SHALL BE INCLUDED IN THE CONTRACT PRICE BID FOR ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN.

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN

THIS ITEM SHALL CONSIST OF PLACING ROCK CHANNEL PROTECTION WITH AGGREGATE FILTER PER CMS ITEM 601.09 AND ITEM 703.19 EXCEPT THAT ALL MATERIALS SHALL BE NATURAL STONE.

WATER QUALITY

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS. ALL DITCHES LOCATED WITHIN LIMITS OF VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL AND NOT HAVE ROUNDING.

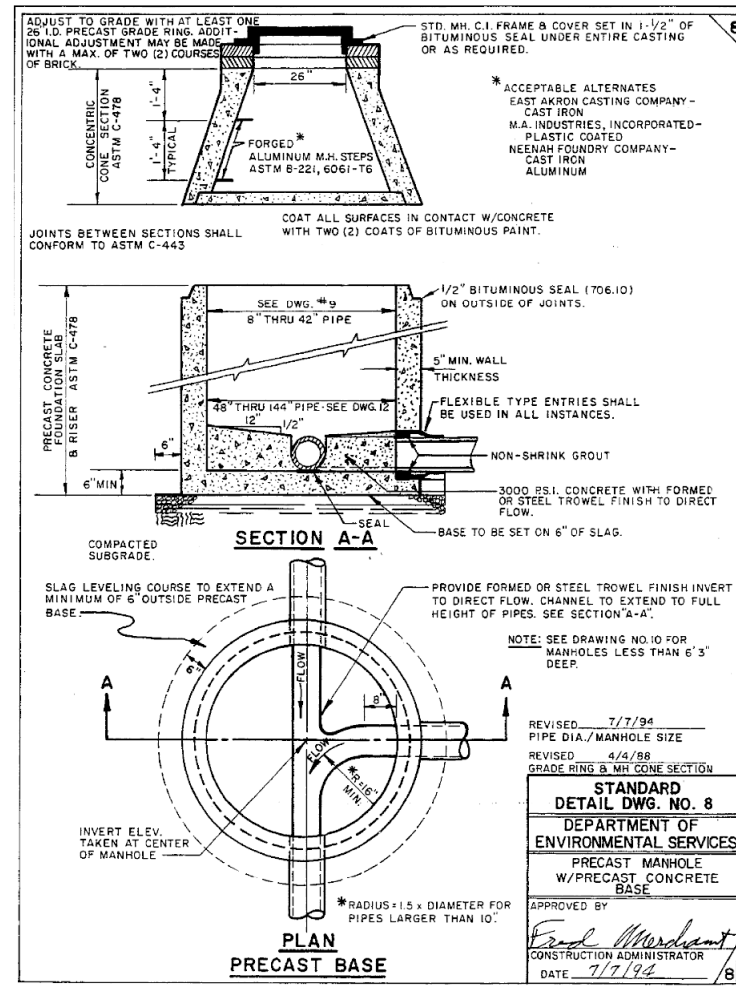
SANITARY SEWER

SUMMIT COUNTY D.O.E.S. SANITARY SEWER NOTES

ALL SEWER WORK ITEMS AND CONSTRUCTION SHALL CONFORM TO ODOT ITEM 611 AND THE SUMMIT COUNTY D.O.E.S. CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE DETAILS. WHERE THERE IS CONTRADICTION, THE SUMMIT COUNTY D.O.E.S. SPECIFICATIONS WILL TAKE PRECEDENCE.

ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)

THIS ITEM SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY FOR ADJUSTMENT OF THE SANITARY MANHOLES IN ACCORDANCE WITH ODOT ITEM 611 AND THE SUMMIT COUNTY DEPARTMENT OF ENVIRONMENT SERVICES (D.O.E.S.) DETAIL ON THIS SHEET.



CITY OF AKRON SANITARY SEWER NOTES

ALL SEWER WORK ITEMS AND CONSTRUCTION SHALL CONFORM TO ODOT ITEM 611 AND THE CITY OF AKRON CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE DETAILS. WHERE THERE IS CONTRADICTION, THE CITY OF AKRON SPECIFICATIONS WILL TAKE PRECEDENCE.

ITEM 611 - MANHOLE NO. 3, AS PER PLAN (SANITARY)

THIS ITEM SHALL CONSIST OF CONSTRUCTING A SANITARY SEWER MANHOLE IN ACCORDANCE WITH ODOT ITEM 611 AND ODOT STANDARD CONSTRUCTION DRAWING MH-1.2 EXCEPT THAT A SEALED AND WATER-TIGHT LID MUST BE PROVIDED DUE TO THE PROXIMITY OF THE ADJACENT STREAM. THIS ITEM SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY FOR CONSTRUCTION OF THE SANITARY MANHOLES.

ENVIRONMENTAL

WETLAND IMPACTS/AVOIDANCE

FOR WETLAND IMPACTS, PLEASE REFER TO THE NOTE SHOWN ON SHEET 444.

TEMPORARY WETLAND IMPACT

TEMPORARY ACCESS FILLS IN WETLAND A MUST BE REMOVED ENTIRELY AND WETLAND A MUST BE RETURNED TO PRE-CONSTRUCTION CONTOURS. ANY TOPSOIL REMOVED FROM THE WETLAND WILL BE STOCKPILED AND REPLACED POST-CONSTRUCTION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH, STRAW BALES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. RESTORE ALL STOCKPILE AND PLACEMENT AREAS UPON COMPLETION OF THE PROJECT. ANY BARE AREAS WITHIN THE TEMPORARY WETLAND IMPACT BOUNDARIES WILL NEED TO BE RESEED WITH A NATIVE, NON-INVASIVE SPECIES SEED MIX. ERNMX-128 SEASONALLY FLOODED WILDLIFE FOOD MIX OR EQUIVALENT AT A SEEDING RATE OF 20 LB PER ACRE OR 1/2 LB PER 1,000 SQ FT.

BEST MANAGEMENT PRACTICES/SOIL EROSION AND SEDIMENTATION CONTROL

ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE AREA IS STABILIZED AS ACCEPTED BY THE ENGINEER.

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 THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

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GENERAL NOTES

SUM-77 / 277 / 224
VARIOUS

REVISIONS		
NO.	DATE	DESCRIPTION
4	04/20/21	WETLAND NOTE REVISED
5	04/22/21	ROCK CHANNEL PROT. NOTE ADDED

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1288

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SHEET NO.	601	601	601	601	601	601	601	601		670					671			836	836				
	18" RIPRAP, TYPE C SY	ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN CY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT SY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC CY	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER CY	PAVED CUTTER, TYPE 1-2, AS PER PLAN FT		DITCH EROSION PROTECTION SY					EROSION CONTROL MAT, TYPE G SY			SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 SY				
420				47		21	7			8628								3823	299				
421	34	122				8	2			7616				242				594					
422	320	127		47	12	41	8	507		4016								1018					
432			8																				
433			22																				
434			24																				
435			14																				
436			14																				
437			18																				
438			28																				
TOTALS CARRIED TO GENERAL SUMMARY	354	249	128	94	12	70	17	507		20260				242				5435	299				
SHEET NO.																							
TOTALS CARRIED TO GENERAL SUMMARY																							

EROSION CONTROL SUBSUMMARY	SUM-77 / 277 / 224
VARIOUS	408
EROSION CONTROL SUBSUMMARY	1288

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY

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SHEET NO.	STATION TO STATION		203	203	203	203	203	203	204	204		659		659	659	659	659	659	659	659	670					
			EXCAVATION	EXCAVATION (SPECIAL BENCHING)	EXCAVATION (STREAM UNDERCUT)	EMBANKMENT	EMBANKMENT (SPECIAL BENCHING)	EMBANKMENT (STREAM UNDERCUT)	EXCAVATION OF SUBGRADE	EMBANKMENT		SEEDING AND MULCHING (SM)		SOIL ANALYSIS TEST	TOPSOIL (4" FOR VEGETATED FILTER STRIPS & VEGETATED BIOFILTERS)	TOPSOIL (111*(SM)/1000) - (4" FOR VFS & VBF)	REPAIR SEEDING AND MULCHING (0.05*(SM))	INTER-SEEDING (0.05*(SM))	COMM. FERTILIZER [(30*(SM))+ (20*05*(SM))*9 /1000*2000]	LIME (SM)/(4840)	WATER [(2*300*(SM)) + (300*0.05*(SM))*9 /1000*1000]	SLOPE EROSION PROTECTION				
			CY	CY	CY	CY	CY	CY	CY	CY		SY		EACH	CY	CY	SY	SY	TON	ACRE	MGAL	SY				
RAMP D																										
771	887+98.38	888+50.00	87				20					392														
772	889+00.00	890+00.00	532				8					798														
773	890+50.00	891+50.00	642				33					864														
774	892+00.00	893+50.00	463				29					773														
775	894+00.00	895+17.13	241				8					456		14												
776	895+50.00	897+00.00	206				23					571		18												
777	897+17.13	898+00.00	69				14					251														
778	898+50.00	899+50.00	77				17					317														
779	900+00.00	901+01.12	82				18					358														
780	901+50.00	903+00.00	115	450			185	450				881														
781	903+50.00	905+00.00	126				103					666														
782	905+50.00	907+00.00	168				64					552														
783	907+50.00	908+55.05	193				7					228														
784	909+00.00	910+50.00	42				21					181														
785	910+55.05	912+00.00	1				155					263														
786	912+50.00	913+50.00	0				125					206														
787	914+00.00	915+00.00	1				16					73														
ARLINGTON RD. RAMP D																										
788	70+99.52	72+50.00	182				3					479														
789	73+00.00	74+50.00	282				13					708														
790	75+00.00	76+00.00	160				14					499														
791	76+50.00	78+00.00	285				24					848														
792	78+50.00	80+00.00	125				27					683		28												
793	80+50.00	81+50.00	71				20					473		21												
794	82+00.00	83+00.00	93				16					511		21												
795	83+50.00	84+50.00	93				10					494		24												
796	85+00.00	86+00.00	111				10					475		27												
797	86+50.00	87+50.00	88				7					511		9												
798	88+00.00	88+18.25	6				0					53														
WARNER ROAD																										
799	24+00.00	25+00.00	124				34					386														
800	25+50.00	26+00.00	89				0					76														
801	26+07.65	26+50.00	162				1					129														
802	27+00.00	27+50.00	76				37					219														
803	27+70.00	28+50.00	13				27					217														
1065 - 1132	NOISE WALLS											11825														
																						REVISIONS				
																						NO.	DATE	DESCRIPTION		
																						5	04/22/21	UPDATED SEEDING QUANTITIES		
SUBTOTALS THIS SHEET			5005	450		1089	450					26416			162											
SUBTOTALS SHEET 411			44564	1896		3766	1896					51116			247									2011		
SUBTOTALS SHEET 412			31265	762		4974	762		656	656		39980			822									817		
SUBTOTALS SHEET 413			13816	10205	1018	28369	10205	1018				41852			583											
SUBTOTALS SHEET 414			29622	5139		19334	5139					38298			1036									2455		
SUBTOTALS SHEET 415			8643	3080		4968	3080		279	279		28972			405								2029			
SUBTOTALS FOR SEEDING AND MULCHING CALCULATIONS												226634		3	3255	21901	11332	11332	31.62	46.83	1255					
TOTALS CARRIED TO THE GENERAL SUMMARY (FLEXIBLE)			155465			85050																				
TOTALS CARRIED TO THE GENERAL SUMMARY (RIGID)			-5491-			-238-																				
TOTALS CARRIED TO THE GENERAL SUMMARY (RIGID)			-160956-			-85288-			935	935			226634	3	25156	11332	11332	31.62	46.83	1255	7312					

EARTHWORK SUBSUMMARY AND CALCULATIONS

SUM-77 / 277 / 224

VARIOUS

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416
1288

REF. NO.	SHEET NO.	STATION		SIDE	601		601		601		601		670		671		836				
		FROM	TO		18" RIPRAP, TYPE C		ROCK CHANNEL PROTECTION, TYPE D WITH AGGREGATE FILTER, AS PER PLAN				ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC				DITCH EROSION PROTECTION			EROSION CONTROL MAT, TYPE G			SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I
					SY		CY			CY				SY		SY			SY		
E-46	461	427+40.06 (I.R. 77)		LT						1.33											
E-47	463	431+63.18 (I.R. 77)		LT						1.33											
E-48	461	426+72.66 (I.R. 77)		RT						1.33											
E-49	463	431+06.54 (I.R. 77)		RT						1.33											
E-50	495	25+00.81 (RAMP B-2)		RT						1.33											
E-51	496	31+85.70 (RAMP B-2)		RT						1.33											
E-53	476	480+50.00 (SB I.R. 77)	482+00.00 (SB I.R. 77)	LT									122.40								
E-54	488	206+00.00 (RAMP B)		LT								1.56									
E-55	476	482+00.00 (SB I.R. 77)	484+50.00 (SB I.R. 77)	LT														203.47			
E-56	476	484+50.00 (SB I.R. 77)	487+00.00 (SB I.R. 77)	LT										297.82							
E-57	472	481+43.00 (NB I.R. 77)	483+00.00 (NB I.R. 77)	LT										250.69							
E-58	472	483+00.00 (NB I.R. 77)	286+00.00 (RAMP B-2)	LT										363.39							
E-59	492	286+00.00 (RAMP B-2)	290+50.00 (RAMP B-2)	LT										545.60							
E-60	472	483+00.00 (NB I.R. 77)	486+50.00 (NB I.R. 77)	RT										297.05							
E-61	472 , 473	486+50.00 (NB I.R. 77)	488+50.00 (NB I.R. 77)	RT										249.08							
E-62	476 , 477	484+00.00 (SB I.R. 77)	493+00.00 (NB I.R. 77)	RT										754.36							
E-63	477	493+00.00 (SB I.R. 77)	494+00.00 (SB I.R. 77)	RT										150.36							
E-64	477	494+00.00 (SB I.R. 77)	495+57.00 (SB I.R. 77)	RT										131.12							
E-65	492	290+50.00 (RAMP B-2)	292+00.00 (RAMP B-2)	LT										181.88							
E-66	473	490+92.96 (NB I.R. 77)	492+50.00 (NB I.R. 77)	RT										195.29							
E-67	473	492+50.00 (NB I.R. 77)	493+50.00 (NB I.R. 77)	RT										125.21							
E-68	492 , 493	294+50.00 (RAMP B-2)	296+06.92 (RAMP B-2)	LT										130.72							
E-69	493	297+50.00 (RAMP B-2)	299+51.15 (RAMP B-2)	RT										166.66							
E-70	500	689+00.00 (RAMP C-1)	692+00.00 (RAMP C-1)	LT										287.89							
E-71	500	692+00.00 (RAMP C-1)	692+47.47 (RAMP C-1)	LT										47.38							
E-72	500	690+50.00 (RAMP C-1)	692+50.00 (RAMP C-1)	RT										222.52							
E-73	500	693+50.00 (RAMP C-1)	694+97.52 (RAMP C-1)	RT										247.29							
E-74	500	694+97.52 (RAMP C-1)	696+50.00 (RAMP C-1)	RT										186.62							
E-75	500	696+50.00 (RAMP C-1)	697+50.00 (RAMP C-1)	RT										83.34							
E-76	493	301+00.00 (RAMP B-2)	305+50.00 (RAMP B-2)	RT										375.12							
E-77	474	507+50.00 (NB I.R. 77)	508+50.00 (NB I.R. 77)	LT										85.08							
E-78	503	799+91.89 (RAMP C-2)	801+48.91 (RAMP C-2)	RT										129.76							
E-79	478	500+88.15 (SB I.R. 77)	504+00.00 (SB I.R. 77)	RT										261.01							
E-80	478	504+00.00 (SB I.R. 77)	507+00.00 (SB I.R. 77)	RT										248.94							
E-81	504	887+98.38 (RAMP D)	890+78.60 (RAMP D)	RT														306.84			
E-82	504	894+00.00 (RAMP D)	896+50.00 (RAMP D)	LT										210.81							
E-83	504	896+50.00 (RAMP D)	897+00.00 (RAMP D)	LT														42.68			
E-84	498	591+50.00 (RAMP C)	592+50.00 (RAMP C)	LT										180.49							
E-85	499	600+00.00 (RAMP C)	600+50.00 (RAMP C)	LT										42.77							
E-86	485	87+71.89 (RAMP A)	91+90.00 (RAMP A)	LT	33.46		121.97									241.99					
E-87	485	92+00.00 (RAMP A)	92+50.00 (RAMP A)	LT															40.82		
E-88	480 , 481	113+00.00 (RAMP A)	232+00.00 (I.R. 277)	LT/RT										796.47							
E-89	486	98+00.00 (RAMP A)	99+00.00 (RAMP A)	LT										80.83							
E-90	477	496+00.00 (SB I.R. 77)	498+00.00 (SB I.R. 77)	LT										167.68							
TOTALS CARRIED TO SUBSUMMARY SHEET					408	34		122		8		2		7616		242		594			

CALCULATED CJC
 CHECKED PJF
ESTIMATED QUANTITIES
SUM-77 / 277 / 224
VARIOUS
 421
 1288

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY

O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002_G0008.dgn Sheet 4/22/2021 12:44:30 PM p.fry

O:\2017\258\ProjectData\SUM\06002\Design\Roadway\Sheets\06002_G0009.dgn Sheet 4/22/2021 12:18:31 PM p fry

REF. NO.	SHEET NO.	STATION		SIDE	601		601		601		601		601		670		836		
		FROM	TO		SY	CY	SY	CY	SY	CY	FT	SY	SY	CY					
E-91	494	11+97.63 (RAMP B-2)	13+50.00 (RAMP B-2)	RT															
E-92	478 , 479	510+00.00 (SB I.R. 77)	514+95.00 (SB I.R. 77)	RT											145.02				
E-93	479	512+00.00 (SB I.R. 77)	513+00.00 (SB I.R. 77)	LT											408.44				
E-94	479	514+00.00 (SB I.R. 77)	514+95.00 (SB I.R. 77)	LT											93.99				
															80.99				
E-96	483 , 484	269+40.00 (I.R. 277)	272+00.00 (I.R. 277)	LT											318.02				
E-97	487	109+50.00 (RAMP A)	113+00.00 (RAMP A)	LT											290.89				
E-99	486	99+00.00 (RAMP A)	99+54.51 (RAMP A)	LT															
E-100	486	102+00.00 (RAMP A)	103+50.00 (RAMP A)	RT											130.61				
E-101	486	101+50.00 (RAMP A)	102+00.00 (RAMP A)	RT														44.46	
E-102	485	87+00.00 (RAMP A)	87+50.00 (RAMP A)	LT														59.75	
E-103	495	26+50.00 (RAMP B-2)	29+00.00 (RAMP B-2)	RT														209.31	
E-104	488 , 489	206+25.00 (RAMP B)	210+50.00 (RAMP B)	LT	319.53		126.56											223.37	
E-105	488	206+00.00 (RAMP B)	206+18.25 (RAMP B)	LT							7.67								
E-106	488	204+50.00 (RAMP B)	206+00.00 (RAMP B)	LT											131.15				
E-107	488	198+00.00 (RAMP B)	203+00.00 (RAMP B)	LT											406.98				
E-108	488	25+00.00 (RAMP B-2)	198+00.00 (RAMP B)	RT/LT														108.09	
E-109	495	25+00.00 (RAMP B-2)	26+50.00 (RAMP B-2)	RT											183.34				
E-110	490	413+00.00 (RAMP B-1)	416+50.00 (RAMP B-1)	RT											361.20				
E-111	490	408+50.17 (RAMP B-1)	411+00.00 (RAMP B-1)	RT											240.16				
E-112	494	14+00.00 (RAMP B-2)	14+00.00 (RAMP B-2)	RT						6.67									
E-113	494	14+00.00 (RAMP B-2)	15+30.60 (RAMP B-2)	RT											105.83				
E-114	494	16+21.88 (RAMP B-2)	14+80.11 (RAMP B-2)	LT											177.32				
E-115	495	19+00.00 (RAMP B-2)	21+00.00 (RAMP B-2)	LT											257.70				
E-116	495 , 496	29+00.00 (RAMP B-2)	31+00.00 (RAMP B-2)	RT											244.52				
E-117	490	411+00.00 (RAMP B-1)	413+00.00 (RAMP B-1)	RT											208.23				
E-118	481	240+00.00 (I.R. 277)	241+00.00 (I.R. 277)	LT											84.96				
E-119	469 , 472	473+00.00 (NB I.R. 77)	476+50.00 (NB I.R. 77)	LT										348.97					
E-120	493	295+92.25 (RAMP B-2)	297+50.00 (RAMP B-2)	RT										157.75					
E-121	494	9+98.08 (RAMP B-2)		LT						39.81									
E-123	465	445+72.75 (I.R. 77)	445+85.64 (I.R. 77)	LT							7.22								
E-126	480	230+97.30 (I.R. 277)	231+05.28 (I.R. 277)	RT															
E-127	497	583+65.35 (RAMP C)	584+20.81 (RAMP C)	RT															
E-128	504	891+38.08 (RAMP D)	891+47.42 (RAMP D)	RT						4.63									
E-131	487	106+00.00 (RAMP A)	107+50.00 (RAMP A)	LT											125.14				
E-133	480	231+55.13 (I.R. 277)	232+00.00 (I.R. 277)	RT														55.00	
E-134	480	230+00.00 (I.R. 277)	230+97.30 (I.R. 277)	RT											125.40				
E-135	497	584+26.89 (RAMP C)	584+50.00 (RAMP C)	RT											21.29				
E-136	504	891+39.15 (RAMP D)	893+00.00 (RAMP D)	RT														192.02	
TOTALS CARRIED TO SUBSUMMARY SHEET					408	320		127		47	12	41		8	507	4016		1018	

ESTIMATED QUANTITIES

SUM-77 / 277 / 224

VARIOUS

CALCULATED
CJC
CHECKED
PJF

REVISIONS		
NO.	DATE	DESCRIPTION
5	04/22/21	REVISED ITEM 601 - RCP QUANTITY

422
1288