

ITEM 203 - EMBANKMENT, AS PER PLAN, NO. 2 AGGREGATE

THIS WORK CONSISTS OF PLACING TAN AND GRAY WASHED GRAVEL SIZE NO. 2 PER C&MS TABLE 703.01-1.

THE CONTRACTOR SHALL PLACE PLACE THE MATERIAL TO ENSURE A UNIFORM SURFACE THAT DOES NOT EXCEED THE HEIGHT OF THE CURB AT THE OUTER EDGES. ANY PROTUSIONS GREATER THAN 4 INCHES ABOVE THE SURFACE SHALL BE ELIMINATED. THE MATERIAL SHALL BE PLACED AT A 6-INCH THICKNESS ON TOP OF TYPE D GEOTEXTILE FABRIC.

ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO PERFORM THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 - EMBANKMENT, AS PER PLAN, NO. 2 AGGREGATE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 203 - EMBANKMENT, AS PER PLAN, NO. 2 AGGREGATE	58 CY
ITEM 204 - GEOTEXTILE FABRIC	347 SY

UNDERDRAIN LOCATIONS

ALL UNDERDRAIN OUTLETS CAN BE LOCATED IN THE TABLE BELOW.

UNDERDRAIN DETAILS			
STATION	OFFSET	ELEVATION	NOTE
116+75.00	45.59' RT	1008.50	OUTLET
116+74.99	29.57' RT	-	BEND
117+80.02	25.38' RT	1008.70	END UNCLASSIFIED
117+80.00	40.42' LT	-	BEND
117+80.00	72.62' LT	1008.00	OUTLET
118+71.50	32.50' LT	-	START
119+66.92	9.47' RT	1009.33	START UNCLASSIFIED
119+88.06	37.30' LT	-	TEE
119+81.43	80.63' LT	1008.26	OUTLET
120+37.38	39.20' RT	-	START
120+49.19	52.99' LT	-	START
122+13.86	33.70' RT	-	TEE
122+21.91	73.45' RT	1006.09	OUTLET
122+24.64	13.50' LT	1006.42	START UNCLASSIFIED
122+66.97	26.31' RT	-	START
122+82.51	20.29' LT	-	START
124+61.09	44.04' RT	-	BEND
124+60.92	59.39' RT	1004.31	OUTLET
124+61.23	33.76' LT	-	BEND
124+61.23	60.07' LT	1004.65	OUTLET
202+92.66	15.42' RT	-	BEND
202+92.73	30.42' LT	1009.37	OUTLET
202+92.72	12.41' LT	1009.56	END UNCLASSIFIED
203+57.55	15.06' LT	-	START
203+49.20	16.36' RT	1009.93	START UNCLASSIFIED
204+41.11	22.94' LT	-	TEE
204+39.31	31.32' LT	1009.37	OUTLET
204+61.09	17.97' RT	1009.02	START UNCLASSIFIED
205+01.52	37.46' RT	1008.58	END UNCLASSIFIED
206+57.97	36.90' RT	1006.22	END UNCLASSIFIED/BEND
206+75.46	74.05' RT	1006.00	OUTLET
206+92.66	15.77' LT	-	BEND
207+05.71	69.65' LT	1005.76	OUTLET

ITEM 202 - REMOVAL MISC.: (WOOD POST)

PAYMENT FOR THIS ITEM INCLUDES ALL LABOR, EQUIPMENT AND MATERIALS TO COMPLETELY REMOVE AND DISPOSE EXISTING WOOD POST IDENTIFIED FOR REMOVAL IN THE PLANS AS APPROVED 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 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 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).  
  
IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.  
  
PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.
- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

THE FOLLOWING QUANTITIES ARE PROVIDED FOR EXCAVATING AND REPLACING UNSUITABLE/UNSTABLE SUBGRADE PER THIS NOTE BY THE INSTRUCTION OF THE ENGINEER.

ITEM 204 - GRANULAR MATERIAL, TYPE B	400 CY
ITEM 204 - EXCAVATION OF SUBGRADE	400 CY
ITEM 204 - GEOTEXTILE FABRIC	1200 SY

ITEM 609 - CURB, TYPE 6  
ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 3

ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT ALL VERTICAL (CURB HEIGHT) TRANSITIONS, DEPRESSIONS, AND/OR CURB CUTS AS SHOWN IN THESE PLANS, DEPICTED IN SCD BP-7.1, OR AS OTHERWISE DIRECTED BY THE ENGINEER SHALL BE PAID FOR UNDER THE RESPECTIVE 609 ITEM. ANY BASE COURSES, SUBGRADE COMPACTION, PROOF ROLLING, EXCAVATION, EMBANKMENT DIRECTLY UNDER PROPOSED CURB HAVE BEEN ITEMIZED SEPERATELY AND ARE NOT TO BE INCLUDED FOR PAYMENT UNDER ITEM 609

ITEM 609 - CONCRETE MEDIAN

ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT ALL VERTICAL TRANSITIONS, DEPRESSIONS, AND/OR ISLAND WALKWAYS AS WHOWN IN THESE PLANS OR SCD RM-3.1 SHALL BE PAID FOR UNDER ITEM 609 - CONCRETE MEDIAN. ANY BASE COURSES, SUBGRADE COMPACTION, PROOF ROLLING, EXCAVATION, EMBANKMENT DIRECTLY UNDER THE PROPOSED MEDIAN AS WELL AS DETECTIBLE WARNING MATS HAVE BEEN ITEMIZED SEPERATELY AND ARE NOT TO BE INCLUDED FOR PAYMENT UNDER ITEM 609.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 611 - 6" CONDUIT, TYPE F	100 FT
ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAINS	100 FT

POST CONSTRUCTION STORM WATER TREATMENT

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.

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN

PAYMENT FOR ITEM 202 - PAVEMENT REMOVED, AS PER PLAN SHALL INCLUDE REMOVAL AND DISPOSAL OF ALL EXISTING ASPHALT PAVEMENT, CONCRETE BASE, AGGREGATE BASE, AND SUBBASE. ALL LABOR, MATERIALS, EQUIPMENT, AND DISPOSAL OF SAID REMOVALS SHALL BE COVERED IN THIS ITEM.

ITEM 202 - PAVEMENT REMOVED

THE LIMITS FOR ITEM 202 - PAVEMENT REMOVED INCLUDE ONLY THOSE SHOWN IN THE SHOULDER SAWCUT DETAIL ON SHEET P.5. PAYMENT FOR ALL OTHER REMOVAL AND DISPOSAL OF EXISTING PAVEMENT SHALL BE INCLUDED IN ITEM 202 - PAVEMENT REMOVED, AS PER PLAN.

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

MRT 09/15/25

PROJECT ID

119587

SHEET

P.14

TOTAL

P.137

SHEET NUMBER													PART. 01/SAF/21	ITEM ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.13	P.14	P.21	P.71	P.72	P.73	P.102	OFFICE CALCS												
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
			445										445	202	23000	445	SY	PAVEMENT REMOVED	
			8,767										8,767	202	23001	8,767	SY	PAVEMENT REMOVED, AS PER PLAN	P.14
			20										20	202	30600	20	SY	CONCRETE MEDIAN REMOVED	
		557	3										560	202	32000	560	FT	CURB REMOVED	
			5										5	202	98100	5	EACH	REMOVAL MISC.: (WOOD POST)	P.14
						868							868	203	10000	868	CY	EXCAVATION	
						2,543							2,543	203	20000	2,543	CY	EMBANKMENT	
	58												58	203	20001	58	CY	EMBANKMENT, AS PER PLAN, NO. 2 AGGREGATE	P.14
							6,708						6,708	204	10000	6,708	SY	SUBGRADE COMPACTION	
													400	204	13000	400	CY	EXCAVATION OF SUBGRADE	
	400												400	204	30010	400	CY	GRANULAR MATERIAL, TYPE B	
3	400												3	204	45000	3	HOURL	PROOF ROLLING	
	1,547												1,547	204	50000	1,547	SY	GEOTEXTILE FABRIC	
			96										96	608	53020	96	SF	DETECTABLE WARNING	
													LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																		EROSION CONTROL	
				73									73	601	21060	73	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
1													1	659	00100	1	EACH	SOIL ANALYSIS TEST	
567				95									662	659	00300	662	CY	TOPSOIL	
						5,108							5,108	659	10000	5,108	SY	SEEDING AND MULCHING	
256													256	659	14000	256	SY	REPAIR SEEDING AND MULCHING	
													256	659	15000	256	SY	INTER-SEEDING	
256													0.69	659	20000	0.69	TON	COMMERCIAL FERTILIZER	
0.69													1.06	659	31000	1.06	ACRE	LIME	
1.06													28	659	35000	28	MGAL	WATER	
28													2	659	40000	2	MSF	MOWING	
2																			
				842									842	670	00500	842	SY	SLOPE EROSION PROTECTION	
					LS								LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
					LS								LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
					LS								LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
					40,000								40,000	832	30000	40,000	EACH	EROSION CONTROL	
																		DRAINAGE	
	100			431									531	605	13300	531	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
				1,786									1,786	605	14000	1,786	FT	6" BASE PIPE UNDERDRAINS	
	100												100	611	01500	100	FT	6" CONDUIT, TYPE F	
				10									10	611	99710	10	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
							1,818						1,818	254	01000	1,818	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
							974						974	301	56000	974	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							1,118						1,118	304	20000	1,118	CY	AGGREGATE BASE	
							1,287						1,287	407	20000	1,287	GAL	NON-TRACKING TACK COAT	
							3						3	441	70500	3	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
							291						291	442	10000	291	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
							250						250	442	10080	250	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
							358						358	452	11020	358	SY	7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	
			1,017										1,017	609	18000	1,017	FT	COMBINATION CURB AND GUTTER, TYPE 3	
		558											558	609	24510	558	FT	CURB, TYPE 4-C	
			484										484	609	26000	484	FT	CURB, TYPE 6	
			290										290	609	31000	290	FT	COMBINATION CURB AND GUTTER, TYPE 9	
			5,386										5,386	609	71000	5,386	SF	CONCRETE MEDIAN	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

RNK

REVIEWER

MRT 09/15/25

PROJECT ID

119587

SHEET

P.68

TOTAL

P.137

REF NO.	SHEET NO.	STATION TO STATION							202	202	202	202	202	608	609	609	609	609						
									PAVEMENT REMOVED	PAVEMENT REMOVED, AS PER PLAN	CONCRETE MEDIAN REMOVED	CURB REMOVED (WOOD POST)	REMOVAL MISC.:	DETECTABLE WARNING	COMBINATION CURB AND GUTTER, TYPE 3	CURB, TYPE 6	COMBINATION CURB AND GUTTER, TYPE 9	CONCRETE MEDIAN						
									SY	SY	SY	FT	EACH	SF	FT	FT	FT	SF						
R-1	P.74	℄ CONST. US-22	114+10.33	RT	TO	℄ CONST. US-22	118+00.00	LT/RT	292	176														
R-2	P.75	℄ CONST. US-22	118+00.00	LT/RT	TO	℄ CONST. US-22	123+00.00	LT/RT		6370														
M-1	P.75	℄ CONST. US-22	118+71.50	LT	TO	℄ CONST. US-22	120+45.70	LT/RT										2158						
C-1	P.75	REF. LINE WL	10+91.50	LT	TO	REF. LINE NW	402+16.99	LT							272									
C-2	P.75	REF. LINE SW	500+96.88	LT	TO	REF. LINE SW	503+56.15	LT							257									
DW-1	P.75	REF. LINE WR	22+35.50	LT	TO	REF. LINE WR	22+41.41	LT						12										
DW-2	P.75	REF. LINE WL	12+35.59	RT	TO	REF. LINE WL	12+41.65	RT						12										
C-3	P.75	REF. LINE SE	601+54.28	RT	TO	REF. LINE ER	51+61.95	RT							268									
C-4	P.75	REF. LINE NE	701+41.56	RT	TO	REF. LINE NE	703+64.25	RT							220									
M-2	P.75	℄ CONST. US-22	121+56.77	LT/RT	TO	℄ CONST. US-22	123+21.05	LT/RT										1882						
DW-3	P.75	REF. LINE EL	60+19.93	RT	TO	REF. LINE EL	60+25.85	RT						12										
DW-4	P.75	REF. LINE ER	50+24.99	LT	TO	REF. LINE ER	50+31.04	LT						12										
M-3	P.75	℄ CONST. JAMISON RD	204+46.93	LT/RT	TO	℄ CONST. JAMISON RD	205+06.59	LT/RT										623						
DW-5	P.75	REF. LINE SL	30+94.45	RT	TO	REF. LINE SL	31+00.50	RT						12										
DW-6	P.75	REF. LINE SR	41+85.52	LT	TO	REF. LINE SR	41+91.43	LT						12										
M-4	P.75	℄ CONST. JAMISON RD	206+27.12	LT/RT	TO	℄ CONST. JAMISON RD	206+84.88	RT										723						
DW-7	P.75	REF. LINE NL	80+19.60	RT	TO	REF. LINE NL	80+25.51	RT						12										
DW-8	P.75	REF. LINE NR	70+24.35	LT	TO	REF. LINE NR	70+30.40	LT						12										
R-3	P.75	REF. LINE NW	402+15.15	LT	TO	REF. LINE NW	402+18.72	LT					2											
R-4	P.75	REF. LINE NW	402+31.30	LT	TO	REF. LINE NW	402+38.10	LT					3											
C-5	P.75	REF. LINE CC	0+00.00	LT	TO	REF. LINE CC	4+08.41	LT									290							
C-6	P.75	REF. LINE CC	0+00.00	LT	TO	REF. LINE CC	4+08.41	LT								202								
R-5	P.76	℄ CONST. US-22	123+00.00	LT/RT	TO	℄ CONST. US-22	127+24.23	LT	153	1590														
C-7	P.76	REF. LINE EL	61+55.66	RT	TO	REF. LINE EL	62+96.88	RT									141							
C-8	P.76	REF. LINE ER	51+61.95	LT	TO	REF. LINE ER	53+02.44	LT									141							
R-6	P.76	℄ CONST. US-22	124+50.50	LT/RT	TO	℄ CONST. US-22	124+61.23	LT/RT			20	3												
R-7	P.78	℄ CONST. JAMISON RD	202+92.73	LT/RT	TO	℄ CONST. JAMISON RD	204+00.00	LT/RT		327														
R-8	P.79	℄ CONST. JAMISON RD	207+50.00	LT/RT	TO	℄ CONST. JAMISON RD	208+25.94	LT/RT		304														
										</														