

GENERAL

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION, AND OPERATION (INCLUDING ERECTION, MAINTENANCE AND REMOVAL) OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS, EXCEPT WHERE OTHERWISE NOTED, SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK 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 FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL SUBSIDIARY AGREEMENT GOVERNING COMPLETION OF THIS PROJECT.

STATIONING AND LOCATIONS

STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD AS DIRECTED BY THE ENGINEER.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

MUNICIPAL:

THE CITY OF CHARDON
ATTN.: RANDALL B. SHARPE, CITY MGR.
111 WATER ST
CHARDON, OH 44024
PHONE: (440) 286-2600

PUBLIC SERVICE:

THE CITY OF CHARDON
ATTN: PAUL HORNIAK, DIR.
111 WATER STREET
CHARDON, OH 44024
PHONE: (440) 286-2655

WATER & WASTEWATER:

THE CITY OF CHARDON
ATTN: FRED TAYLOR, SUPT.
111 WATER STREET
PHONE: (440)286-2657

GAS:

DOMINION EAST OHIO GAS
320 SPRINGSIDE DRIVE, STE 320
AKRON, OHIO 44333
ATTN: MARY LONG
PHONE: (330) 664-2409
E-MAIL: relocation@dom.com
Hit Gas Line:
Call Dispatch @ (216) 736-6650

ORWELL NATURAL GAS CO., INC.

8500 STATION ST, STE 100
MENTOR, OH 44060
ATTN: DARRYL KNIGHT
PHONE: (440) 974-5120
CELL: (216) 346-0704
FAX: (440) 974-5114
EMAIL: gotgas@orwellgas.com

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT, EXCEPT WHERE INDICATED ON TYPICAL SECTIONS.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, LANE CLOSURE, AND ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD INFORMATION TO THE CITY OF CHARDON AND OTHER LOCAL OFFICIALS RESPONSIBLE FOR PUBLIC NOTIFICATIONS.

PROTECTION OF EXISTING MAILBOXES

CONTRACTOR SHALL USE EXTREME CARE WHEN PERFORMING WORK NEAR EXISTING MAILBOXES. CONTRACTOR MUST MAKE EVERY EFFORT AND TAKE EVERY PRECAUTION NOT TO DAMAGE ANY EXISTING MAILBOXES. MAILBOXES DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. REPLACEMENT MAILBOXES AND ANCILLARY EQUIPMENT MUST BE SATISFACTORY TO THE PROPERTY OWNER AND BE APPROVED BY THE ENGINEER.

CONSTRUCTION LAYOUT STAKES

ALL HORIZONTAL CONTROL REQUIRED FOR THE COMPLETE LAYOUT AND PERFORMANCE OF THE WORK UNDER THIS CONTRACT SHALL BE DONE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND MAY BE PERIODICALLY REVIEWED BY THE ENGINEER. ANY INSPECTION OR REVIEWING OF THE CONTRACTOR'S LAYOUT BY THE ENGINEER AND THE ACCEPTANCE OF ALL OR ANY PART OF IT SHALL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO PRODUCE THE PROPER WORK DIMENSIONS AND GRADES. THE REQUIREMENTS OF SECTION 107.10 OF THE GENERAL PROVISIONS ALSO APPLY.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND, IF APPLICABLE, ALL GRADES, LINES AND LEVELS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS, AND HE/SHE SHALL REPORT ANY ERRORS OR INCONSISTENCIES IN THE ABOVE TO THE ENGINEER BEFORE COMMENCING WORK OR ORDERING ANY MATERIAL.

THE CONTRACTOR SHALL MARK (PAINT) OR STAKE THE PROJECT STATION NUMBERS AT THE INTERVALS SPECIFIED IN 623.02 AND AS DIRECTED OR APPROVED BY THE ENGINEER BEFORE COMMENCING THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL STAKES AND MARKS AND SHALL REPLACE THEM AT HIS/HER EXPENSE IF THEY ARE DAMAGED, LOST, DISPLACED OR REMOVED. THE CONTRACTOR SHALL USE COMPETENT PERSONNEL AND SUITABLE EQUIPMENT FOR THE LAYOUT WORK REQUIRED AND SHALL PROVIDE THAT IT IS DONE UNDER THE SUPERVISION OF A REGISTERED SURVEYOR.

PROGRESSION OF WORK

IMMEDIATELY FOLLOWING WEARING COURSE REMOVAL, AREAS OF ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN, ITEM 253 PAVEMENT REPAIR, AND ITEM 255 FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, MISC.; CONCRETE REPAIR SHALL BE MARKED BY THE ENGINEER CONFORMING TO CMS 251.02, 253.02 AND 255.03, RESPECTIVELY. PARTIAL DEPTH PAVEMENT REPAIR, PAVEMENT REPAIR AND FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT SHALL COMMENCE PER THE CMS AND THE ABOVE NOTES. RESURFACING, AS SHOWN ON THE TYPICAL SECTIONS, SEE SHEET 2 THROUGH 7, SHALL COMMENCE UPON COMPLETION OF ITEMS 251, 253, AND 255. UPON COMPLETION OF RESURFACING, PAVEMENT MARKINGS SHALL BE PLACED AS DETAILED ON THE PROPOSED PAVEMENT MARKING SHEETS.

MONUMENT BOX

WHERE, AS DETERMINED BY THE ENGINEER, EXISTING MONUMENT BOXES ARE SUITABLE FOR REUSE. THEY SHALL REMAIN UNDISTURBED IN PLACE OR, IF/WHERE REQUIRED, THEY SHALL SIMPLY BE REMOVED AND RESET IN THE SAME LOCATION. CARE AND/OR PROTECTIVE MEASURES SHALL BE EMPLOYED BY THE CONTRACTOR TO AVOID DAMAGE OR DISRUPTION OF EXISTING MONUMENTS DURING THE MONUMENT BOX REMOVAL AND REPLACEMENT OPERATIONS AND ALL OTHER OPERATIONS IN THE PROXIMITY OF SAID MONUMENTS. REFERENCE EXISTING MONUMENTS WITHIN THE LIMITS OF THE PROPOSED WORK FOR THE PURPOSES OF RESETTling/RE-ESTABLISHING THEIR EXACT LOCATION IN THE EVENT THEY ARE DISPLACED OR DAMAGED DURING CONSTRUCTION. THOSE MONUMENTS THAT ARE DISPLACED OR DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REMOVED AND REPLACED WITH A MONUMENT ASSEMBLY, TYPE C UNDER THE SUPERVISION OF A LICENSED SURVEYOR; ALL AT THE CONTRACTOR'S EXPENSE.

ITEM 623 - MONUMENT ASSEMBLY, TYPE C 3 EACH
ITEM 623 - MONUMENT ASSEMBLY ADJUSTED TO GRADE 17 EACH
ITEM 623 - MONUMENT, MISC.: MONUMENT REFERENCING 10 EACH

EXISTING WALK REMOVAL/REPLACEMENT FOR ADA CURB RAMPS

APPROXIMATE LOCATIONS FOR THE REQUIRED REMOVAL/REPLACEMENT OF EXISTING WALK ARE AS SHOWN ON THE PLANS. WALK REMOVAL/REPLACEMENT LIMITS SHALL TYPICALLY EXTEND TO THE NEAREST EXISTING WALK JOINT/DIVISION LINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE EXACT LOCATIONS AND LIMITS OF EXISTING WALK REMOVAL/REPLACEMENT SHALL BE ESTABLISHED AND DESIGNATED BY THE ENGINEER. AEROSOL SPRAY PAINT FOR OUTLINING SHALL BE PROVIDED BY THE CONTRACTOR.

EXISTING WALK SHALL BE REMOVED IN A MANNER THAT WILL NOT DISTURB, DAMAGE OR UNDERMINE ADJACENT WALK, CURB, DRIVES OR DRIVE APRONS INTENDED TO REMAIN IN PLACE. ANY ADJACENT FACILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE, AS DETERMINED BY THE ENGINEER, AND WHICH ARE NOT OTHERWISE DESIGNATED FOR REPLACEMENT, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE; ALL AT THE DIRECTION OF THE ENGINEER.

REPLACEMENT WALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH "ITEM 608 - 4" CONCRETE WALK, AS PER PLAN" (SEE PLAN NOTE).

WHERE REQUIRED TO FACILITATE CURB RAMP CONSTRUCTION THROUGH EXISTING CURB, THE FOLLOWING METHOD SHALL BE EMPLOYED IN LIEU OF THE BP-7.1 "SECTION A-A EXISTING WALK DETAIL"

PROVIDE 1/2 INCH THICK EXPANSION JOINT MATERIAL (705.03) BETWEEN THE NEWLY INSTALLED CURB AND CURB RAMP WALK PER 608.03.

ITEM 608 - 4" CONCRETE WALK, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 608, THE FOLLOWING SHALL APPLY:

ALL CONCRETE WALK SHALL BE A MINIMUM OF 4" THICK AND HAVE A 2" COMPACTED SCREENINGS BED WHICH MEETS THE REQUIREMENTS OF 703.10 (LIMITED TO CRUSHED STONE). THE COST FOR FURNISHING AND PLACING THE 2" COMPACTED SCREENINGS BED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608- 4" CONCRETE WALK, AS PER PLAN.

PER 608.03(C), IT IS REQUIRED THAT 1/2 INCH THICK EXPANSION JOINT MATERIAL (705.03) BE INSTALLED BETWEEN THE WALK AND THE BACK OF CURB OR ANY OTHER FIXED OBJECT. IN ADDITION TO THE LOCATIONS SPECIFIED UNDER 608.03(C), TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF NOT MORE THAN 25 TO 30 FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE EXPANSION JOINT FILLER (705.03) SHALL BE PLACED AT THE TRANSVERSE EXPANSION JOINTS FOR THE FULL DEPTH/WIDTH OF THE CONCRETE WALK AND SHALL BE TRULY NORMAL TO GRADE. THE TOP 1/2 INCH OF THE EXPANSION JOINT PLACED BETWEEN THE WALK AND BACK OF CURB SHALL BE SEALED WITH 705.04 JOINT SEALER.

HE FINAL SURFACE SHALL BE TEXTURED BY USE OF AN ACCEPTED BROOM SO AS TO PRODUCE A UNIFORM, GRITTY, TRANSVERSE TEXTURE, AFTER WHICH, THE CONTRACTOR IS REQUIRED TO RETRACE THE PREVIOUSLY FORMED JOINTS AND OUTSIDE EDGES OF THE WALK.

THE COST OF THE MATERIAL AND LABOR ASSOCIATED WITH THE ABOVE WORK IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608 - 4" CONCRETE WALK, AS PER PLAN.

ITEM 608 - CURB RAMP, AS PER PLAN, (TYPE)

ALL APPLICABLE PROVISIONS OF ITEM 608 SHALL APPLY EXCEPT AS MODIFIED HEREIN.

THIS WORK SHALL CONSIST OF CONSTRUCTING AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT CURB RAMPS IN ACCORDANCE WITH ODOT'S STANDARD CONSTRUCTION DRAWING BP-7.1 (EXCEPT AS MODIFIED HEREIN) AT THE LOCATIONS SHOWN ON THE PLANS OR AT LOCATIONS DETERMINED BY THE ENGINEER.

THE TRUNCATED MATERIAL(S)/PRODUCTS(S) SHALL BE EAST JORDON IRON WORKS DURALAST DETECTABLE WARNING PLATES, BLACK COATED, OR ADA SOLUTION SIRON DOME CAST IRON DETECTABLE WARNING PLATES, BLACK COATED OR APPROVED EQUAL.

THE ENGINEER WILL DETERMINE THE EXACT LOCATIONS AND VERIFY CURB RAMP TYPE TO BE CONSTRUCTED FROM ROADWAY SUBSUMMARY. EXISTING CURB RAMPS THAT ARE NOT AFFECTED BY THE CONSTRUCTION AND ARE CURRENTLY ADA COMPLIANT NEED NOT BE REPLACED.

THICKNESS OF THE CURB RAMP WALK AND CONCRETE BASE BENEATH THE TRUNCATED DOMES SHALL BE A MINIMUM OF SIX (6) INCHES. IN ADDITION, A TWO (2) INCH COMPACTED SCREENINGS BED, AS SPECIFIED UNDER "ITEM 608 - 4" CONCRETE WALK, AS PER PLAN", SHALL BE FURNISHED AND PLACED BENEATH ALL CURB RAMP AREAS. PAYMENT FOR FURNISHING AND PLACING THE TWO (2) INCH COMPACTED SCREENINGS BED AND THE 6" CONCRETE WALK THROUGH ALL CURB RAMP AREAS IS INCLUDED IN THE CONTRACT PRICE BID FOR ITEM 608 - CURB RAMP, AS PER PLAN.

SEEDING AND MULCHING, CLASS 2

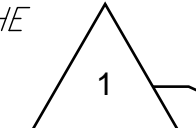
THIS WORK SHALL CONSIST OF PERFORMING ITEM 659-SEEDING AND MULCHING WITHIN ALL EXISTING VEGETATED AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES INCLUDING THOSE AREA DISTURBED DURING THE COURSE OF THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.

PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE BID FOR THE ACTUALLY COMPLETED AND ACCEPTED QUANTITIES OF:

ITEM 659 - SEEDING AND MULCHING, CLASS 2 5000 SY

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF GRASS AREAS. THESE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 659 - TOPSOIL 50 CY
ITEM 659 - COMMERCIAL FERTILIZER 0.06 TON
ITEM 659 - LIME 0.10 ACRE
ITEM 659 - WATER 1.0 MGAL



EROSION CONTROL

ITEM 832 - EROSION CONTROL 10000 EA

DRAINAGE

STRUCTURES ADJUSTED TO GRADE, RECONSTRUCTED TO GRADE OR REPLACED ALL ADJUSTMENT, RECONSTRUCTION OR REPLACED WORK, EXCEPT FOR THOSE STRUCTURES OWNED BY PRIVATE COMPANIES, SHALL BE PERFORMED BY THE CONTRACTOR. WHERE APPLICABLE, THE TIME BETWEEN RESETTling THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM.

CASTINGS SHALL BE ADJUSTED OR RECONSTRUCTED TO GRADE IN ACCORDANCE WITH 611.10 USING CLAY BRICKS (704.01), CLASS C CONCRETE AND/OR CONCRETE MORTAR, OR PER 638.18 AND AS SPECIFIED BELOW FOR SERVICE BOX AND VALVE BOX ADJUSTMENTS. NO GRADE RINGS OR METAL ADJUSTING RINGS (CASTINGS) ARE PERMITTED. MAXIMUM CONCRETE MORTAR THICKNESS IS 1-1/2".

THE CONTRACTOR SHALL RESET EXISTING VALVE BOXES OR EXISTING CURB SHUT-OFF VALVE BOXES TO ESTABLISHED GRADE BY RAISING OR LOWERING THE EXISTING CASTINGS OR BY EITHER ADDING, DELETING OR CUTTING THE APPROPRIATE VALVE BOX STEM SECTIONS. IN RAISING OF THE CASTINGS, NO INSERTS WILL BE PERMITTED. ANY VALVE BOXES OR CURB SHUT-OFF VALVE BOXES FOUND TO BE DAMAGED OR UNSUITABLE FOR REUSE SHALL BE REPLACED BY THE CONTRACTOR AND PAID FOR UNDER ITEM SPECIAL - MISCELLANEOUS METAL. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY AS REQUIRED OR AS ORDERED TO COMPLETE THE ITEM.

ADJUST TO GRADE, RECONSTRUCT TO GRADE OR TOTAL REPLACEMENT WORK SHALL, WHERE REQUIRED, INCLUDE THE REMOVAL AND REPLACEMENT OF ANY EXISTING CONCRETE BLOCKOUT CURB AND/OR PAVEMENT USING MODERATE-SETTING CONCRETE (CLASS MS) PER 499.05 OF THE SPECIFICATIONS. TO FACILITATE REMOVAL, THE BLOCKOUT PAVEMENTS SHALL BE SAWED FULL DEPTH (PER 255.03) ALONG THE LIMITS OF THEIR REMOVAL UNLESS OTHERWISE DESIGNATED/DIRECTED BY THE ENGINEER.

UNLESS OTHERWISE APPROVED/DIRECTED BY THE ENGINEER, BLOCKOUT PAVEMENT, REINFORCING STEEL, JOINT MATERIAL AND LOAD TRANSFER DEVICES SHALL BE REPLACED/INSTALLED IN ACCORDANCE WITH THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING(S) BP-2.7C (MANHOLES) AND CB-3C OR OTHER APPROPRIATE CATCH BASIN DRAWING(S).

UNLESS OTHERWISE DIRECTED/APPROVED BY THE ENGINEER, REPLACE EXCAVATED SUBBASE AND SUBGRADE MATERIALS BELOW THE PROPOSED BLOCKOUT PAVEMENT WITH "ITEM 613-LOW STRENGTH MORTAR BACKFILL MATERIAL, TYPE 1" EXCEPT THE USE OF FOUNDRY SAND IS STRICTLY PROHIBITED. ALL COSTS ASSOCIATED WITH THE BLOCKOUT REMOVALS/REPLACEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PER EACH BID ITEMS.

ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED AS DIRECTED BY THE ENGINEER. UNLESS OTHERWISE INDICATED ON THE PLAN, REPLACEMENT CASTINGS ARE PAID UNDER ITEM SPECIAL - MISCELLANEOUS METAL.

THE ENGINEER WILL DETERMINE THE ITEM 604 WORK REQUIRED BASED ON THE GUIDELINES STIPULATED BELOW:

1. "ADJUST TO GRADE, AS PER PLAN" SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 (D) AS NECESSARY TO RAISE THE EXISTING/NEW CASTING NO MORE THAN ONE (1) FOOT FROM ITS EXISTING ELEVATION OR TO LOWER THE EXISTING/NEW CASTING NO MORE THAN SIX (6) INCHES FROM ITS EXISTING ELEVATION. IN ADDITION, THIS ITEM WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, UP TO SIX (6) INCHES BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 604) ADJUSTED TO GRADE, AS PER PLAN.

2. "RECONSTRUCT TO GRADE, AS PER PLAN" SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 (C) AND SHALL ALSO INCLUDE EXISTING/NEW CASTINGS RAISED MORE THAN ONE (1) FOOT FROM THEIR EXISTING ELEVATION OR LOWERED MORE THAN SIX (6) INCHES FROM THEIR EXISTING ELEVATION.

THE WORK LIMIT SHALL BE SPECIFIED BY THE ENGINEER AND PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) RECONSTRUCTED TO GRADE, AS PER PLAN.

ONLY ONE (1) OF THE ABOVE PAYMENT ITEMS MAY BE USED PER STRUCTURE.

"RECONSTRUCT TO GRADE, AS PER PLAN" WORK SHALL NOT BE PERFORMED UNLESS SPECIFICALLY INDICATED IN THE PLANS OR OTHERWISE ORDERED BY THE ENGINEER. ANY SUCH WORK MADE NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT UNIT PRICE BID FOR THE ACTUALLY COMPLETED AND ACCEPTED QUANTITIES OF:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN 138 EA
ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN 54 EA
ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN 34 EA

ITEM SPECIAL - MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE CITY ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 611 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

FOR AN INLET STRUCTURE WITHIN A CROSSWALK, THE CASTING SHALL BE REPLACED WITH A NEW HEAVY DUTY ADA COMPLIANT GRATE.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - MISCELLANEOUS METAL 20,000 LB

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, CLEANING, STORAGE AND RESETTling OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE CONTRACTOR'S EXPENSE.

CALCULATED
CUB
CHECKED
DCC

GENERAL NOTES

GEA US 006 03.51/VAR

CALCULATED
CUB
CHECKED
DCC

GENERAL SUMMARY

GEA US 006 03.51/VAR

8	9	10	13	14	15	16	17	32	33	34	35	36	37	38	39	40	41	42	PARTICIPATION				ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION		
																			01/S5K/05	02/S5K/05	03/NHS/05	04/NFP/05							
ROADWAY																													
								699	1181	951	1412	439	510	947	1091	558	569	520			4634	4243	202	30000	8877	SF	WALK REMOVED		
									16			21			65	3					89	16	202	32000	105	FT	CURB REMOVED		
		1.30	1.93	0.49																0.40	2.29	1.03	209	60500	3.72	MILE	LINEAR GRADING		
								514	776	572	1137	375	270	657	984	344	431	301			6361	608	10001	6361	SF	4" CONCRETE WALK, AS PER PLAN			
								162	354	449	450	64	222	263	298	239	175	190			2866	608	52001	2866	SF	CURB RAMP, AS PER PLAN			
									16			21	15		126	39		26			227	16	609	26000	243	FT	CURB, TYPE 6		
3																						3	623	38500	3	EA	MONUMENT ASSEMBLY, TYPE C		
17																					4	13	623	39500	17	EA	MONUMENT BOX ADJUSTED TO GRADE		
10																					2	8	623	40900	10	EA	MONUMENT MISC.: MONUMENT REFERENCING		
EROSION CONTROL																													
50																					30	20	659	00300	50	CY	TOPSOIL		
0.06																					0.04	0.02	659	20000	0.06	TON	COMMERCIAL FERTILIZER		
0.10																					0.06	0.04	659	31000	0.1	ACRE	LIME		
1																					1		659	35000	1	M GAL	WATER		
5000																					3000	2000	659	00510	5000	SY	SEEDING AND MULCHING, CLASS 2		
10000																					3696	5435	869	832	30000	10000	EA	EROSION CONTROL	
DRAINAGE																													
138																					51	75	12	611	98631	138	EA	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	
54									1												21	31	3	611	99655	55	EA	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	
20000																					8000	12000		611	99820	20000	LB	MISCELLANEOUS METAL	
34										2						2					14	14	10	638	10801	38	EA	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	
PAVEMENT																													
200																					5		115	80	204	13000	200	CY	EXCAVATION OF SUBGRADE
2500																					50	930	1520	251	01001	2500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN	
1500																					30		880	590	253	01000	1500	SY	PAVEMENT REPAIR
		44070	31237	34752	4225	6743															3887	41546	68851	6743	254	01000	121027	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, T=2-1/4"
1500																							1500	255	15001	1500	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN	
200																					5		115	80	304	20000	200	CY	AGGREGATE BASE
		3526	2500	2780	338	479															311	3324	5509	479	407	13900	9623	GAL	TACK COAT, 702.13 (@ 0.08 GAL/SY)
		2644	1874	2085	253	359															233	2493	4130	359	407	20000	7215	GAL	NON-TRACKING TACK COAT (@ 0.06 GAL/SQ. YD.)
		1530	1085	1207	147	208															135	1443	2391	208	441	10101	4177	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN, PG70-22M
		1224	868	965	117	166															108	1154	1912	166	441	50200	3340	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22
	100																						60	40	451	10011	100	CY	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN (DRIVEWAYS)
		83	163	46																	26		201	65	617	10100	292	CY	COMPACTED AGGREGATE
	9155																					3270	5885		875	10000	9155	LB	LONGITUDINAL JOINT ADHESIVE

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