

**ITEM 204 SUBGRADE COMPACTION AND PROOF ROLLING**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. WHERE SUBGRADE SOILS FOUND TO BE UNSTABLE, NON-ORGANIC SOILS SHOULD BE OVER EXCAVATED 6 TO 12 INCHES AND BACKFILLED WITH ITEM 703.16.C, TYPE B GRANULAR UNDERLAIN BY GEOTEXTILE FABRIC.
3. COMPACT THE SUBGRADE ACCORDING TO 204.03.
4. 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 204.06.
5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVATION WILL EXTEND 18" BEYOND THE EDGE OF THE SURFACE OF THE ROADWAY. WHERE SUBGRADE SOILS FOUND TO BE UNSTABLE, NON-ORGANIC SOILS SHOULD BE OVER EXCAVATED 6 TO 12 INCHES AND BACKFILLED WITH ITEM 703.16.C, TYPE B GRANULAR UNDERLAIN BY GEOTEXTILE FABRIC.
6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIC GRADE.

FOR ESTIMATING PURPOSE, THE BELOW CONTINGENT QUANTITIES ARE FOR THE ROADWAY AND ASSUMED AN AVERAGE OF 12" OF SOIL OVER EXCAVATED AND THE FOLLOWING QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY:

ITEM 204, EXCAVATION OF SUBGRADE.....	4465 C.Y.
ITEM 204, GRANULAR MATERIAL, TYPE B.....	4465 C.Y.
ITEM 204, PROOF ROLLING.....	7 HOURS
ITEM 204, GEOTEXTILE FABRIC.....	13400 S.Y.

**ITEM 638 WATER MAIN, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 638 WATER MAINS AND SERVICE BRANCHES, EXCEPT AS HEREIN MODIFIED.

ALL MATERIALS, PROCEDURES, AND TESTING USED SHALL CONFORM TO VILLAGE ENGINEERING STANDARDS AND SPECIFICATIONS.

THE CONTRACTOR WILL PERFORM THE CHLORINATION AND BACTERIA TESTING. ADD A TEMPORARY 3/4" CTS PLASTIC SERVICE BRANCHES, UNLESS OTHERWISE SHOWN, WITH TAPPING SADDLES, COMPRESSION FITTINGS, AND CORPORATION STOPS NEAR ALL WATER MAIN CONNECTIONS FOR INSERTION OF CHLORINE BY CONTRACTOR.

**IF THE EXISTING DITCH IS DISTURBED DURING THE WATER MAIN INSTALLATION THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE DITCH GRADES TO ENSURE POSITIVE DRAINAGE.**

PAYMENT FOR ITEM 638 WATER MAIN, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT FOOT BID PRICE, MEASURED HORIZONTALLY, AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**ITEM 638 WATER SERVICE BRANCH, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 638 WATER MAINS AND SERVICE BRANCHES, EXCEPT AS HEREIN MODIFIED.

THE PROPOSED SERVICES SHALL CONSIST OF FURNISHING AND INSTALLING MINIMUM 1" CTS PLASTIC SERVICE BRANCHES, AND SHALL INCLUDE NEW TAPPING SADDLES, COMPRESSION FITTINGS, CORPORATION STOPS, METER PIT, AND CONNECTION TO THE EXISTING SERVICE AT THE METER PIT AS SHOWN ON THE PLANS.

VILLAGE TO PROVIDE METER PIT, METER, AND LID, CONTRACTOR TO INSTALL, REMOVE EXISTING METER PIT, AND RECONNECT SERVICE.

PAYMENT FOR ITEM 638 WATER SERVICE BRANCH, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**ITEM SPECIAL DARK GREEN TRACK COATING**

THIS WORK SHALL INCLUDE THE APPLICATION OF "DARK GREEN" FORTIFIED PLEXIPAVE OR "DARK GREEN" ADVANTAGE LAYKOLD TDS, OR EQUIVALENT. THE "DARK GREEN" FORTIFIED PLEXIPAVE IS MANUFACTURED BY CALIFORNIA PRODUCTS CORPORATION, 150 DASCOMB ROAD, ANDOVER, MASSACHUSETTS 01810 USA, PHONE NUMBER: 978-623-9980. THE "DARK GREEN" ADVANTAGE LAYKOLD TDS IS MANUFACTURED BY ADVANCED POLYMER TECHNOLOGY CORPORATION, 109 CONICA LANE, HARMONY, PENNSYLVANIA 16037, PHONE NUMBER: 724-452-1330.

INSTALLATION SHALL INCLUDE 3 APPLICATIONS OF EITHER PRODUCT ACCORDING TO MANUFACTURERS INSTALLATION GUIDELINES.

PAYMENT FOR ITEM SPECIAL DARK GREEN TRACK COATING FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**ITEM 611 CONDUIT, MISC.: PLUG EXISTING CONDUIT**

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN EXISTING CONDUIT.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PAYMENT FOR ITEM 611 CONDUIT, MISC.: PLUG EXISTING CONDUIT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

**ITEM 661 MULCH, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 661 PLANTING TREES, SHRUBS, PERENNIALS AND VINES, EXCEPT AS HEREIN MODIFIED.

CONTRACTOR IS TO ENSURE ALL TREES TO REMAIN WITHIN THE PROJECT LIMITS HAVE 4" OF BROWN MULCH 2' OUTSIDE OF EACH SIDE OF THE TREE BEFORE CONSTRUCTION. DURING CONSTRUCTION CONTRACTOR IS TO ENSURE THE 4" OF MULCH REMAINS AROUND THE REMAINING TREES. AFTER CONSTRUCTION IS COMPLETE THE CONTRACTOR MAY NEED TO REAPPLY MULCH TO ENSURE THAT THERE IS 4" OF MULCH REMAINING AROUND THE TREES.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CONSTRUCTION ENGINEER FOR THE WORK NOTED ABOVE:

ITEM 661 MULCH, AS PER PLAN.....	100 C.Y.
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PAYMENT FOR ITEM 661 MULCH, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT CUBIC YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

CALCULATED  
bfg  
CHECKED  
MJH

GENERAL NOTES

HAR-ADA LINCOLN ST.  
PHASE 3

SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	11	12	16	01/S<2/P V	02/NFP/O T/ADA											
<b>ROADWAY</b>																	
1					1		201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	4					
		174			174		202	23000	174	SY	PAVEMENT REMOVED, CONCRETE (DRIVEWAY)						
		1,042			1,042		202	23010	1,042	SY	PAVEMENT REMOVED, ASPHALT (DRIVEWAY)						
				180	180		202	30000	180	SF	WALK REMOVED						
		391	2,381		2,772		202	32000	2,772	FT	CURB REMOVED						
		318	4,078		4,396		202	32500	4,396	FT	CURB AND GUTTER REMOVED						
				442	442		202	35100	442	FT	PIPE REMOVED, 24" AND UNDER						
				2	2		202	58100	2	EACH	CATCH BASIN REMOVED						
		8,098			8,098		203	10000	8,098	CY	EXCAVATION						
		148			148		203	20000	148	CY	EMBANKMENT						
			1,179	11,761	13,581		204	10000	13,582	SY	SUBGRADE COMPACTION						
		4,465			4,465		204	13000	4,465	CY	EXCAVATION OF SUBGRADE						
		4,465			4,465		204	30010	4,465	CY	GRANULAR MATERIAL, TYPE B						
7					7		204	45000	7	HOUR	PROOF ROLLING						
		13,400			13,400		204	50000	13,400	SY	GEOTEXTILE FABRIC						
				5,458	5,458		608	10001	5,458	SF	4" CONCRETE WALK, AS PER PLAN	4					
			162	304	466		608	52001	466	SF	CURB RAMP, AS PER PLAN	4					
				2	2		SPECIAL	69050600	2	EACH	BOLLARD	5					
<b>EROSION CONTROL</b>																	
	1,400				1,400		659	00300	1,400	CY	TOPSOIL						
			12,611		12,611		659	00500	12,611	SY	SEEDING AND MULCHING, CLASS 1						
	631				631		659	14000	631	SY	REPAIR SEEDING AND MULCHING						
	631				631		659	15000	631	SY	INTER-SEEDING						
	2				2		659	20000	2	TON	COMMERCIAL FERTILIZER						
	70				70		659	35000	70	MGAL	WATER						
					1		832	15000	15000	LS	STORM WATER POLLUTION PREVENTION PLAN						
					1		832	15002	15002	LS	STORM WATER POLLUTION PREVENTION INSPECTIONS						
					1		832	15010	15010	LS	STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE						
					30,000		832	30000	30,000	EACH	EROSION CONTROL						

CALCULATED A/JH  
 CHECKED M/JH  
**GENERAL SUMMARY**  
 HAR-ADA LINCOLN ST. PHASE 3