

## UTILITY OWNERSHIP

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

ELECTRIC	CABLE TV
AMERICAN ELECTRIC POWER 209 N. WOOD STREET FOSTORIA, OH 44830 ATTN: JEFF MEYERS 419-436-4532	TIME WARNER CABLE 3100 ELIDA ROAD LIMA, OHIO 45805 ATTN: RICK LYLE 1-419-303-2487
TELEPHONE	GAS
CENTURY LINK 127 N. MAIN ST. BELLEFONTAINE, OHIO 43311 ATTN: AL HOCKLEY 1-937-599-9285	COLUMBIA GAS OF OHIO 1800 BROAD AVE. FINDLAY, OHIO 45840 ATTN: KURT SAUM 1-419-427-3216
WATER, STORM & SANITARY	OHIO UTILITIES PROTECTION SERVICE
VILLAGE OF ADA 115 W BUCKEYE AVE. ADA, OHIO 45810 1-419-634-4045 FAX 1-419-634-4065	2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE  
2 WORKING DAYS BEFORE YOU DIG  
CALL TOLL FREE (1-800-362-2764)

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS REQUIRED BY SECTION 153.64 O.R.C.

## CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NEITHER ORDER MATERIALS NOR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY CONSTRUCTION ENGINEER" UNLESS AUTHORIZED BY THE CONSTRUCTION ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

## WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

## DEWATERING

ANY NECESSARY DEWATERING OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS.

## 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 7:00 PM AND 7:00 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.

## MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

ALL CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT OF WAY FOR SALVAGE BY VILLAGE FORCES.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

## JOINT PREPARATION

ASPHALT MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT. THE JOINT PREPARATION AND SEALING SHALL BE INCLUDED IN THE PAYMENT FOR ITEM 609, COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN.

## CONCRETE FIBERS

ALL CURB, DRIVEWAYS, WALKS, AND CURB RAMPS SHALL HAVE 1.5 LBS PER CUBIC YARD OF EITHER CHEMICAL TUFSTRAND SF, FORTA FERRO FIBRILLATED MICROFIBERS OR APPROVED EQUIVALENT. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES. CONCRETE FIBERS WILL BE INCLUDED IN THE FOLLOWING PAY ITEMS:

ITEM 452 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1, AS PER PLAN
ITEM 608 4" CONCRETE WALK, AS PER PLAN
ITEM 608 CURB RAMP, AS PER PLAN
ITEM 609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
ITEM 609 CURB, TYPE 6, AS PER PLAN

## CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE CONSTRUCTION ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE CONSTRUCTION ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

## REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CONSTRUCTION ENGINEER.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONSTRUCTION ENGINEER.

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

## ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

## POST CONSTRUCTION STORM WATER TREATMENT

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

## MANUFACTURED WATER QUALITY STRUCTURE

THIS PLAN UTILIZES MANUFACTURED WATER QUALITY STRUCTURES FOR WATER QUALITY TREATMENT. AREAS HAVE BEEN SHOWN IN THE PLANS FOR PLACEMENT OF AN OFF-LINE SYSTEM. PAYMENT FOR THESE DEVICES SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 895, MANUFACTURED WATER QUALITY STRUCTURE, TYPE 2.

## SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:	
659, TOPSOIL	1400 CU. YD.
659, SEEDING AND MULCHING	12611 SQ. YD. (FROM SHEET 11)
659, REPAIR SEEDING AND MULCHING	631 SQ. YD.
659, INTER-SEEDING	631 SQ. YD.
659, COMMERCIAL FERTILIZER	2 TON
659, WATER	70 M. GAL.

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.

## UNRECORDED STORM WATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE CONSTRUCTION ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

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

611, 8" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION 50 FT.
611, 8" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 50 FT.
611, 8" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 50 FT.
611, 8" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION 50 FT.

## SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. **SEE SHEET 63** OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL  
POSITIONING METHOD: GPS OBSERVATION  
MONUMENT TYPE: CORS  
VERTICAL POSITIONING  
ORTHOMETRIC HEIGHT DATUM: GRS 80  
GEOID: GEOID 12A  
HORIZONTAL POSITIONING  
REFERENCE FRAME: NAD 1983 (2011)HORIZONTAL ADJUSTMENT  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO NORTH ZONE 3401  
COMBINED SCALE FACTOR: 1.0000602166  
ORIGIN OF COORDINATE  
SYSTEM: ODOT VRS CORS NETWORK  
USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.  
UNITS ARE IN U.S. SURVEY FEET.

## WATER MAIN CROSSING SEPARATION

WATER MAIN SHALL BE LAID AT LEAST 10' HORIZONTALLY FROM ANY SEWERS. AT CROSSINGS, THE WATER MAIN SHALL HAVE A MINIMUM VERTICAL DISTANCE OF 18" FROM STORM AND SANITARY SEWERS. ALSO ONE FULL LENGTH OF WATER MAIN SHALL BE LOCATED SO THE JOINTS ARE AS FAR FROM THE STORM AND SANITARY SEWERS AS POSSIBLE.

## PERSONAL PROTECTION EQUIPMENT (PPE)

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY & HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)  
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY)  
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III AP-PROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

## ITEM 201 CLEARING AND GRUBBING, AS PER PLAN

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN.

**THIS SHALL ALSO INCLUDE "THE MINIMIZING OF CONSTRUCTION DAMAGE TO TREES" :**  
**BEFORE CONSTRUCTION**

1. THE CONTRACTOR WILL PRUNE TO THE MINIMUM HEIGHT FOR CLEARANCE BEFORE CONSTRUCTION BEGINS WITH GUIDANCE FROM THE VILLAGE OF ADA'S TREE COMMISSION.
2. DESIGNATE STORAGE AREA FOR HEAVY EQUIPMENT AND MATERIALS WELL AWAY FROM TREE ROOTS.
3. KEEP THE SOIL AT THE PRESENT GRADE AS MUCH AS POSSIBLE.
4. SELECT A TRAVEL ROUTE FOR ALL CONSTRUCTION VEHICLES THAT WILL CAUSE THE LEAST AMOUNT OF SOIL COMPACTION.
5. CONSTRUCT WORK LIMIT FENCING TO ENSURE TREES ARE PROTECTED FROM CONSTRUCTION ACTIVITIES.

**DURING CONSTRUCTION**

1. DO NOT PILE SOIL, MATERIALS, OR EQUIPMENT ON THE ROOTS.
2. DO NOT PARK CARS, TRUCKS, OR EQUIPMENT ON THE ROOTS.
3. DO NOT GRADE SOIL AWAY FROM THE ROOTS.
4. STAY OUTSIDE THE WORK LIMIT FENCING. THIS CAN REDUCE TRUNK DAMAGE AND SOIL COMPACTION.
5. STAY ON THE TRAVEL ROUTES. THIS CAN MINIMIZE SOIL COMPACTION AND CRUSHING OF ROOTS.
6. PLACE MULCH, GRAVEL, WOOD CHIPS, SNOW FENCE, OR PLANKING ON TRAVEL ROUTES TO MINIMIZE COMPACTION.
7. CUT AS FEW ROOTS AS POSSIBLE.
8. DO NOT USE A BACKHOE TO SEVER THE ROOTS. THE BACKHOE DAMAGES TREE ROOTS BY RIPPING THEM AND TEARING THEM FARTHER UNDER THE SOIL. USE A SOIL SAW. THIS CAN CUT ROOTS UP TO 14" DEEP.
9. PRUNE THE ROOTS AT THE EDGE OF THE TRENCH OR HOLE TO GENERATE NEW ROOTS.
10. DO NOT ALLOW THE ROOTS TO DRY AFTER THEY ARE CUT. PLACE DAMP BURLAP OVER THE EXPOSED ROOT ENDS TO MINIMIZE DRYING.
11. AVOID SOIL COMPACTION. DO NOT DRIVE EQUIPMENT OVER THE ROOTS.

**AFTER CONSTRUCTION**

1. ODOT ITEM 659 FOR SEEDING AND MULCHING REQUIREMENTS.
2. THE VILLAGE MAY ELECT TO AIR SPADE AROUND THE EXISTING TREES THAT ARE TO REMAIN TO POP SOME AIR INTO THE SOIL AT THEIR OWN EXPENSE.

GENERAL NOTES

HAR-ADA LINCOLN ST.  
PHASE 3

4  
86

CALCULATED  
b7g  
CHECKED  
MJH

**ITEM 202 - PAVEMENT REMOVED**

THIS WORK SHALL CONSIST OF THE REMOVAL OF EXISTING ASPHALT PAVEMENT INSIDE THE PROJECT EARTHWORK LIMITS AT THE FOLLOWING LOCATIONS.

LOCATION AREA  
LINCOLN STREET STA. 10+65.86 TO STA. 50+86.44 10722 S.Y.  
QUANTITY CARRIED TO GENERAL SUMMARY

**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.

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.

GENERAL NOTES

HAR-ADA LINCOLN ST.  
PHASE 3

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	7	13								01/S<2/P V	02/NFP/O T/ADA						
<b>TRAFFIC CONTROL</b>																		
			125									125	630	03100	125	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			5									5	630	08600	5	EACH	SIGN POST REFLECTOR	
			52									52	630	80100	52	SF	SIGN, FLAT SHEET	
			10									10	630	84900	10	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
			9									9	630	86002	9	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			0.76									0.76	642	00290	0.76	MILE	CENTER LINE	
			461									461	642	00590	461	FT	CROSSWALK LINE	
<b>LANDSCAPING</b>																		
	100											100	661	00501	100	CY	MULCH, AS PER PLAN	5
<b>MAINTENANCE OF TRAFFIC</b>																		
				1								1	614	12421	LS		DETOUR SIGNING, AS PER PLAN	7
		33										33	616	10000	33	MGAL	WATER	
<b>INCIDENTALS</b>																		
			1									1	614	11000	LS		MAINTAINING TRAFFIC	
												10	619	16010	10	MNTH	FIELD OFFICE, TYPE B	
												1	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												1	624	10000	LS		MOBILIZATION	

**GENERAL SUMMARY**

CALCULATED  
 BHB  
 CHECKED  
 MJH