CITY OF CIRCLEVILLE PICKAWAY COUNTY OHIO WOODLAND DRIVE STORM, SANITARY, **AND WATER LINE IMPROVEMENTS**

BENCHMARKS:

BENCHMARK 1 - IRON PIN FOUND AT THE SOUTHWESTERLY CORNER OF LOT NUMBER 1.

ELEV. 683.73 (NAVD 88)

BENCHMARK 2 - TOP OF IRON ROD FOUND ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF WOODLAND DRIVE AT LOT 11.

ELEV. 694.00 (NAVD 88)

SURVEY CONTROL

HORIZONTAL: OHIO SOUTH ZONE NAD 83 (2011) VERTICAL: NAVD 1988



CITY OFFICIALS

DONALD R. McILROY TERRY FRAZIER TIMOTHY I. MITCHEL, PE & PS CITY ENGINEER

CITY COUNCIL MEMBERS

DAVID M CRAWFORD MICHELLE BLANTON E. TODD BRADY TOM SPRING JULIE STRAWSER BARRY D. KELLER KATIE LOGAN-HEDGES SHERI THEIS LINDA M. CHANCEY



SITE LOCATION MAP SCALE: NOT TO SCALE

MAYOR DIRECTOR OF PUBLIC SERVICE

COUNCIL PRESIDENT AT LARGE AT LARGE AT LARGE 1st WARD 2nd WARD 3rd WARD 4th WARD CLERK

BY:

INDEX OF SHEETS

TITLE SHEET	()
GENERAL NOTESG-1	, G-2
LEGEND, DETAILSG-3	
DETAILSG-4	TO G-8
SURVEY	
UTILITY PLANC-1	
GRADING AND DRAINAGE PLAN	
PAVEMENT & RESTORATION PLANC-3	
SANITARY SEWER AND WATER MAIN PROFILES C-4	60 C
STORM SEWER PROFILESC-5	R I
SEDIMENT AND EROSION CONTROL PLANC-6	64 ⁻

APPROVED BY:

DIRECTOR OF PUBLIC SERVICE, CITY OF CIRCLEVILLE

DATE

_			
			ESTIMATE OF QUANTITIES
F	LAN QUA	ANTITIES	AS SHOWN BELOW ARE THE ENGINEER'S ESTIMATE ONLY.
	UNIRACI	OR SHA	LL BE RESPONSIBLE FOR CALCULATING QUANTITIES BASED
	IE FLAN	FUR DIL	JUING AND CONSTRUCTION FORFOSES
1	QUANT.	UNIT	DESCRIPTION
	1	LS	CLEARING AND GRUBBING
	120	SY	PAVEMENT REMOVED
1	3	EA	MANHOLE REMOVED
-	1.231	LF	PIPE FILLED IN PLACE
1	20	CY	ASPHALT CONCRETE BASE
1	400	CY	AGGREGATE BASE
-	12	EA	MANHOLE
-	5	EA	CATCH BASIN
-	1	EA	PRECAST REINFORCED CONCRETE OUTLET
	1	LS	MAINTAINING TRAFFIC
1	0.5	MGAL	WATER
	1	IS	CONSTRUCTION LAYOUT STAKES
Ì	1	IS	MOBILIZATION
-	1	LS	TREE PROTECTION DURING CONSTRUCTION
	670	SY	SEEDING AND MULCHING, TYPE 3C
-	153	SY	SODDING, STAKED
1	160	SY	DITCH EROSION PROTECTION
-	307	LF	8-INCH WATER PIPE AND FITTINGS
	5	LF	6-INCH WATER PIPE AND FITTINGS
	120	LB	DUCTILE IRON FITTINGS, INCREASE OR DECREASE
	1	FA	6-INCH VALVE AND APPURTENANCES
	5	EA	3/4-INCH WATER TAP
-	5	EA	3/4-INCH CURB STOP
	1	EA	FIRE HYDRANT, TYPE A
	1	CY	INCREASE OF DECREASE IN EXCAVATION AND BACKFILL
	1	CY	CRUSHED STONE OR GRAVEL
1	105	1 F	8-INCH SANITARY PIPE, W/ TYPE I BEDDING, W/ ITEM
	495	LF	911 BACKFILL
	700	1.5	8-INCH SANITARY PIPE, W/ TYPE I BEDDING, W/ ITEM
	390	LF	912 BACKFILL
	010	1.5	8-INCH STORM PIPE, W/ TYPE I BEDDING, W/ ITEM
	210	LF	911 BACKFILL
	170		8-INCH STORM PIPE, W/ TYPE I BEDDING, W/ ITEM
	1/2	LF	912 BACKFILL
	40	LF	6-INCH DIAMETER PIPE RISERS
1	11	EA	8-INCH X 6-INCH DIAMETER WYE FITTING
		1.5	6-INCH DIAMETER PIPE, SANITARY HOUSE SERVICE
	554	LF	CONNECTION

_

* CONTINGENCY ITEM AS DIRECTED BY THE ENGINEER





WILLIAM D. BOGGS, P.E. DATE THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, DATED 2018, INCLUDING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS LISTED SHALL GOVERN THIS IMPROVEMENT.

7/29/19



GENERAL SPECIFICATIONS

THE 2018 CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), AND ALL SUPPLEMENTS THERETO, TOGETHER WITH THE REQUIREMENTS OF THE CITY OF CIRCLEVILLE AND APPLICABLE ITEMS FROM THE OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS, IN FORCE ON THE DATE OF THE CONTRACT LETTING, SHALL GOVERN ALL MATERIAL AND WORKMANSHIP REQUIRED TO COMPLETE THE CONSTRUCTION OF IMPROVEMENTS AS SHOWN IN THESE PLANS EXCEPT AS MAY BE MODIFIED BY THE FOLLOWING SPECIFICATIONS OR BY THE CONSTRUCTION DETAILS AS SET FORTH.

ALL CITY OF COLUMBUS STANDARD DRAWINGS SHALL BE CONSIDERED A PART OF THESE PLANS, UNLESS OTHERWISE NOTED.

THE CONTRACTOR AND ANY SUBCONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND GENERAL SAFETY REGULATIONS IN THE COMPLETION OF THIS PROJECT. THE CONTRACTOR SHALL MAINTAIN SAID SAFETY REQUIREMENTS UNTIL THE PROJECT HAS BEEN COMPLETED IN ITS ENTIRETY AND HAS BEEN ACCEPTED BY THE CITY OF CIRCLEVILLE OR A DESIGNATED REPRESENTATIVE THEREOF.

SAFETY REQUIREMENTS

THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS. TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

RIGHTS-OF-WAY

IN ADDITION TO THE DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS OF ENTRY, OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY. THE COST OF SUCH OPERATIONS, NECESSARY TO FULFILL SUCH REQUIREMENTS, SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS FOR SUCH COST UNDER SPECIFIC ITEMS OF THE CONTRACT.

EXTRA COMPENSATION

NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR BY REASON OF COMPLIANCE WITH ANY OF THE REQUIREMENTS INDICATED ON THE PLANS, BUT PAYMENT SHALL BE DEEMED TO BE INCLUDED AMONG THE SEVERAL ITEMS, AS BID UPON, UNLESS OTHERWISE SPECIFICALLY PROVIDED.

UTILITY STATIONING

ALL STATIONING REFERS TO UTILITY STATIONING UNLESS OTHERWISE NOTED ON THE PLANS.

ALL TREES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE IS GIVEN IN WRITING BY THE ENGINEER OR THEIR REMOVAL HAS BEEN DESIGNATED ON THE PLANS. TREES REMOVED AS DESIGNATED BY EITHER OF THE PRECEDING AUTHORITIES SHALL BE COMPLETED AS SPECIFIED IN ITEM 201. THE CONTRACTOR SHALL USE SPECIAL PRECAUTIONS TO AVOID DAMAGE TO ALL OTHER TREES. WHEN, IN THE OPINION OF THE ENGINEER, TRUNKS OR BRANCHES WOULD BE ENDANGERED BY THE USE OF MECHANICAL DEVICES, HAND EXCAVATION WILL BE REQUIRED. UNLESS OTHERWISE SPECIFICALLY PROVIDED, THE COST OF TREE PROTECTION, REMOVAL, AND ANY REQUIRED REPLACEMENT SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS UTILITY ITEMS.

SAWING PAVEMENT

WHERE NECESSARY TO DISTURB PAVEMENTS OR DRIVES, THE PAVEMENT SHALL BE SAWCUT TO FULL DEPTH OF PAVEMENT AND IN NEAT, STRAIGHT LINES NO MORE THAN $\frac{1}{8}$ " WIDE. IF THE PAVEMENT IS DAMAGED BEYOND THE ORIGINAL SAWCUT DURING CONSTRUCTION, THE PAVEMENT SHALL BE RE-CUT TO NEAT LINES. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS PAVEMENT REPLACEMENT ITEMS.

UTILITY BEDDING AND BACKFILL

FOR ALL UTILITY CONSTRUCTION DIRECTLY UNDER THE PAVEMENT, PLACE BEDDING WITH COMPACTED GRANULAR MATERIAL COMPLYING WITH THE REQUIREMENTS OF CMS ITEM 703.17. BACKFILL UP TO PAVEMENT RESTORATION LIMITS WITH GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CMS ITEM 703.11. FOR ALL UTILITIES NOT UNDER THE DIRECT INFLUENCE OF PAVEMENT REFER TO SHEET G-8 FOR BEDDING BACKFILL DETAILS.

BACKFILL

ALL CLEANUP AND BACKFILL OPERATIONS SHALL BE DONE WITHIN 300 FEET OF PIPE LAYING OPERATIONS DURING THE WEEK. ON THE WEEKENDS, BACKFILL SHALL BE WITHIN 20 FEET OF THE END OF THE LAST PIPE LAID.

DURING NON-CONSTRUCTION HOURS, ALL EXCAVATIONS SHALL BE FILLED, PLATED, AND PROTECTED (BARRELS AND FENCING) IN SUCH A MANNER AS TO POSITIVELY SEPARATE VEHICLES AND/OR PEDESTRIANS FROM THE WORK.

RESTORATION LIMITS FOR UTILITY WORK

THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS OF THE PROJECT AS INDICATED IN THE PLANS, STANDARD DRAWINGS, AND SPECIFICATIONS. PAYMENT FOR THE RESTORATION OF AREAS LISTED BELOW SHALL BE PER THE APPROPRIATE BID ITEM. ANY AREAS DISTURBED OUTSIDE OF THE DESIGNATED PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE CITY.

UTILITY SERVICE INSTALLATIONS

ALL UTILITY SERVICE TRANSFERS SHALL BE INSTALLED BY OPEN CUT METHODS.

SERVICE TRANSFER AND UTILITY ABANDONMENT

WHERE INDICATED ON THE PLANS, THE EXISTING UTILITY LINES SHALL BE ABANDONED AND EXISTING SERVICES OFF THESE LINES, INDICATED ON THE PLANS AND SHOWN BY HOUSE NUMBER, SHALL BE TRANSFERRED TO THE NEW UTILITY LINE. ALL OTHER EXISTING UTILITY SERVICES SHOWN ON THE PLANS AND NOT INDICATED AS TRANSFERS SHALL BE ABANDONED IN PLACE.

NEW WATER SERVICES

PRIOR TO ABANDONMENT OF WATER LINES, THE PROPOSED WATER LINES SHALL BE TESTED AND CHLORINATED AND THEN THE EXISTING SERVICES, AS INDICATED ON THE PLANS AND SHOWN BY HOUSE NUMBER, SHALL BE TRANSFERRED TO THE NEW WATER LINE. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL WATER CUSTOMERS AFFECTED BY THE

TRANSFER OF SERVICE. CONTRACTOR IS TO VERIFY THE LOCATION AND SIZE OF ALL WATER SERVICES PRIOR TO CONSTRUCTION OF THE NEW SERVICE.

TO ENSURE THAT ALL EXISTING WATER SERVICE ARE TRANSFERRED TO THE NEW WATER LINE, NO WATER LINE SHALL BE ABANDONED UNTIL ALL WATER SERVICES HAVE BEEN TRANSFERRED: THE NEW WATER LINE IS PUT INTO SERVICE: AND THE EXISTING LINE TO BE ABANDONED HAS BEEN SHUT DOWN FOR 24 HOURS.

ALL WATER MAINS TO BE ABANDONED WILL BE CAPPED AND PLUGGED WITH A MECHANICAL RESTRAINT ON THE ACTIVE SIDE OF THE PLUG. INCLUDED IN THIS WORK IS THE REMOVAL OF FIRE HYDRANTS PER CMS ITEM 809.07. DELIVER REMOVED FIRE HYDRANTS TO THE WATER TREATMENT PLANT AT 663 ISLAND ROAD, CIRCLEVILLE, OHIO, 43113.

ITEMS.

MAINTAINING MAIL SERVICE THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING MAIL SERVICE IN THE CONSTRUCTION AREA. PRIOR TO DISTURBING ANY MAIL BOXES, THE CONTRACTOR SHALL CONTACT THE POSTAL AUTHORITIES AND SHALL TEMPORARILY RELOCATE MAILBOXES IN ACCORDANCE WITH THE REQUIREMENTS THEREOF. THE CONTRACTOR SHALL RESTORE MAILBOXES TO THEIR ORIGINAL CONDITION AND LOCATION. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS UTILITY ITEMS.

TRACKING OF MUD ANY MUD OR DEPOSITION OF CONSTRUCTION MATERIALS OR DEBRIS UPON PUBLIC RIGHTS-OF-WAY SHALL BE CLEANED OFF IMMEDIATELY. ANY WORK DONE BY THE CITY TO CLEAN STREETS AS A RESULT OF THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.

SANITARY FACILITIES THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE PROJECT AT A LOCATION APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY ALL OF THE AFFECTED RESIDENTS AT LEAST TWO (2) WEEKS PRIOR TO THE SCHEDULED COMMENCMENT OF WORK ON THE JOB SITE. THIS LETTER SHALL STATE THE DATE CONSTRUCTION IS TO BEGIN AND THAT RESIDENTS SHOULD REMOVE ANY ITEMS. FOR EXAMPLE: SHRUBS, SPOT LIGHTS, FENCES, STONES OR BRICKS, ETC., WHICH MAY FALL WITHIN THE WORK LIMITS. THE LETTER SHOULD ALSO CONTAIN THE NAME AND 24-HOUR PHONE NUMBER OF A CONTACT REPRESENTATIVE FROM THE CONTRACTOR'S FIRM, WHO COULD BE CONTACTED IN CASE OF EMERGENCY. THIS LETTER, FOR CONVENIENCE PURPOSES, SHALL CONTAIN A PHONE NUMBER FOR LOCAL LAW ENFORCEMENT AGENCIES AND FIRE SAFETY FORCES.. CONTRACTOR SHALL PROVIDE NO PARKING SIGNS AS APPROPRIATE DURING CONSTRUCTION A MINIMUM OF 24 HOURS PRIOR TO WORK.

THE CONTRACTOR SHALL EXPOSE ALL UTILITIES AND/OR STRUCTURES SUFFICIENTLY IN ADVANCE OF LAYING THE PROPOSED UTILITY TO VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF UTILITIES OR STRUCTURES AND THEIR EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH THE AFFECTED UTILITY COMPANIES. COSTS INCLUDED IN THE VARIOUS UNIT PRICE BID ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH COLUMBIA GAS SERVICE LINES.

WORK LIMITS THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

<u>UTILITIES</u> THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C. NO GUARANTEE OF ACCURACY OR COMPLETENESS IS IMPLIED OR EXPRESSED BY THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE SIZE, LOCATION, AND DEPTH OF EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, WITHIN THE CONSTRUCTION LIMITS AND NOTIFY THE ENGINEER OF POTENTIAL CONFLICTS IN ADVANCE OF COMMENCING THE WORK HEREIN.

ALL VISIBLE VALVE BOXES. FIRE HYDRANTS. AND SERVICE BOXES ON THE WATER LINE TO BE ABANDONED, WHICH WILL NO LONGER BE IN SERVICE, WILL BE REMOVED. ALL WATER LINES TO BE ABANDONED SHALL BE MADE WATERTIGHT. THE REQUIRED SURFACE RESTORATION SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM(S). ALL OTHER COSTS TO BE INCLUDED IN THE VARIOUS WATER LINE BID ITEMS.

NEW SANITARY SERVICES

THE CONTRACTOR SHALL TEST THE NEW SANITARY SEWER IN ACCORDANCE WITH CMS ITEM 901.20 FOR LEAKAGE AND CMS ITEM 901.21 FOR DEFLECTION PRIOR TO MAKING ANY SERVICE TRANSFERS. THE CONTRACTOR SHALL MAINTAIN SANITARY SERVICE TO ALL CUSTOMERS AFFECTED BY THE TRANSFER OF SERVICE. CONTRACTOR IS TO VERIFY THE LOCATION AND SIZE OF ALL SANITARY SERVICES PRIOR TO CONSTRUCTION OF THE NEW SERVICE.

TO ENSURE THAT ALL EXISTING SERVICES ARE TRANSFERRED TO THE NEW SANITARY SEWER, NO SANITARY SEWER OR SERVICES SHALL BE ABANDONED UNTIL ALL SERVICES HAVE BEEN TRANSFERRED; THE NEW SANITARY SEWER IS PUT INTO SERVICE; AND THE EXISTING LINE TO BE ABANDONED HAS BEEN SHUT DOWN FOR 24 HOURS.

EXTREME CARE SHALL BE TAKEN BY THE CONTRACTOR WHEN INSTALLING UTILITY SERVICES NEAR TREES. PRIOR TO INSTALLING ANY SERVICE NEAR A TREE. A LICENSED ARBORIST SHALL EVALUATE THE TREE AND RECOMMEND PROPER INSTALLATION METHODS. ANY DAMAGE TO THE TREE DURING THE INSTALLATION OF UTILITY SERVICES SHALL ALSO BE EVALUATED BY A LICENSED ARBORIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE LICENSED ARBORIST AND ANY RECOMMENDATIONS MADE BY THE LICENSED ARBORIST. ALL WORK SHALL BE APPROVED BY THE DIVISION OF PUBLIC UTILITIES PRIOR TO COMMENCING.

COSTS TO ABANDON UTILITY SERVICES SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS UTILITY ITEMS.

SIGNS, FENCES, DRAINAGE STRUCTURES. ETC.

ALL SIGNS, FENCES, SHRUBS, VEGETATION, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS OTHERWISE PROVIDED IN THE CONTRACT. THE COSTS OF ALL SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS UTILITY

SEEDING AND MULCHING

THE AREAS TO BE SEEDED WILL BE DETERMINED BY THE CITY. IN GENERAL, GRASSY AREAS WITHIN THE RIGHT-OF-WAY WILL BE CONSIDERED URBAN IN CHARACTER AND SEEDED AS PER CMS ITEM 659. PER THE STANDARD DRAWINGS ON SHEET G-8, PLACEMENT OF 6 INCHES OF TOPSOIL IS TO BE INCLUDED IN THE PRICE BID FOR CMS ITEM 659, SEEDING AND MULCHING.

PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

HORIZONTAL/VERTICAL DATUM

HORIZONTAL: OHIO SOUTH ZONE NAD 83(2011) VERTICAL: NAVD 88

NOTICE TO PROPERTY OWNERS

UNDERGROUND LOCATION VERIFICATION

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

ELECTRIC AMERICAN ELECTRIC POWER 550 TECH CENTER DRIVE GAHANNA, OHIO 43230-6605 1-800-277-2177

TELEPHONE AMERITECH 150 E. GAY STREET, ROOM 78 COLUMBUS, OHIO 43215 MIKE LOSEKAMP 614-223-3114

CHARTER SPECTRUM COMMUNICATIONS 3770 E. LIVINGSTON AVENUE COLUMBUS, OHIO 43227 614-236-1200, 585-947-7656

WATER/SEWER* CITY OF CIRCLEVILLE 104 E. FRANKLIN STREET CIRCLEVILLE, OHIO 43113 740-477-8255

LOCATIONS.

CONSTRUCTION NOISE IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED ON SUNDAYS, ON ANY STATE OR FEDERAL HOLIDAY, AND BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM MONDAY TO SATURDAY.

MONUMENTS

CARE SHALL BE TAKEN TO PROTECT ALL EXISTING MONUMENT AND SURVEY MARKS. ANY MONUMENTS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR. WHEN A MONUMENT FALLS WITHIN AN AREA OF EXCAVATION OR DEEP EMBANKMENT THE ENGINEER SHALL BE CONTACTED PRIOR TO DISTURBING SAID MONUMENT SO THAT IT MAY BE RELOCATED.

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 CHANGE ORDER GOVERNING COMPLETION OF THIS WORK.

MATERIAL REMOVED AND DISPOSED OF REMOVAL OF PAVEMENT, CONCRETE, OR CURB WHICH IS WITHIN THE AREA OF UTILITY EXCAVATION AS SHOWN ON THE PLANS SHALL BE INCLUDED IN CMS ITEM 202. ALL UNUSED NATIVE MATERIAL EXCAVATED

FOR ALL NEW UTILITY WORK SHALL BE REMOVED FROM THE SITE AND THE PRICE INCLUDED IN THE PRICE BID FOR THE CMS ITEM QUANTITIES.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL IN ACCORDANCE WITH CMS ITEM 616 AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS UTILITY ITEMS.

MISCELLANEOUS WORK

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR WITH THE COST OF SUCH WORK INCLUDED IN THE PRICE BID FOR RELATED ITEMS.

FINAL CLEANUP THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS/HER OPERATIONS AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, AND PROPERTY TO ITS ORIGINAL CONDITION OR TO A CONDITION SATISFACTORY TO THE ENGINEER (INCLUDING REMOVAL OF SEDIMENT CONTROL DEVICES

ONCE PERMANENT SEEDING IS ESTABLISHED). FARM DRAINS/TILES/SANITARY LATERAL REPAIR

ALL SUBSURFACE DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE REPLACED WITH CMS ITEM 901 CONDUIT WITH TYPE 1 BEDDING (#57 STONE), SAME SIZE AS THE EXISTING DRAIN TILE SIZE, AND SHALL BE RECONNECTED USING FERNCO COUPLERS AND SDR35 PIPE. WHEN APPROPRIATE, TILE SHOULD BE CONNECTED TO THE NEAREST STORM SEWER SYSTEM, EIGHTEEN (18) INCH MINIMUM CLEARANCE BETWEEN ALL STORM AND SANITARY PIPE WITH WATER LINES. THE LOCATION, SIZE, TYPE, AND GRADE OF THE CONDUIT SHALL BE APPROVED BY THE ENGINEER AND PAYMENT SHALL BE MADE IN FINAL MEASUREMENT. RECORDS SHALL BE KEPT AS TO THE STATION AND ELEVATION THAT ALL TILES ARE ENCOUNTERED. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS UTILITY ITEMS.

TESTING, FLUSHING, AND CHLORINATION HYDROSTATIC TEST PRESSURE: WATER MAIN PIPE SHALL BE TESTED AT 150 PSI FOR TWO (2) HOURS IN ACCORDANCE WITH AWWA C600 SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE TEMPORARY FLUSHING EQUIPMENT AS NECESSARY TO ALLOW FLUSHING OF NEW WATER MAINS PER CMS ITEM 801. NO POLY "PIG' WILL BE REQUIRED.

THE CITY WILL SAMPLE AND BACTERIA TEST WATER AT NO COST TO THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE PUMPING EQUIPMENT FOR CHLORINATION BY THE CITY.

THE COST FOR TESTING, FLUSHING, AND CHLORINATION DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMS ITEM 801. CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SEQUENCE FOR APPROVAL WITH MATERIALS AND PROCEDURES FOR TESTING AND FLUSHING.

LONG AND SHORT WATER SERVICE INSTALLATIONS: WHERE LONG WATER SERVICE TRANSFERS ARE SPECIFIED, I.E., WATER SERVICE LINES ON THE OPPOSITE SIDE OF THE STREET FROM THE PROPOSED WATER MAIN, THE TAPS SHALL BE INSTALLED BY TRENCHLESS METHODS UNLESS OTHERWISE APPROVED BY THE ENGINEER. FOR WATER SERVICE TRANSFERS SPECIFIED AS SHORT, THE TAPS MAY BE INSTALLED BY OPEN-CUT METHODS. THE CONTRACTOR SHALL FLUSH EACH WATER TAP PRIOR TO MAKING THE SERVICE LINE TRANSFER.

FRONTIER COMMUNICATIONS 401 MERRITT 7 NORWALK, CONN. 06851 855-697-5609

COLUMBIA GAS OF OHIO-COLUMBUS

920 W. GOODALE BOULEVARD

COLUMBUS, OHIO 43212

DOUG WILLAMAN

614-460-2085

STORM SEWER* CITY OF CIRCLEVILLE 104 E. FRANKLIN STREET CIRCLEVILLE, OHIO 43113 740-477-8255

*THE CITY OF CIRCLEVILLE IS NOT A MEMBER OF OUPS. CONTACT CITY DIRECTLY FOR EXISTING UTILITY

PRIME AE Group, Inc. 8415 PULSAR PLACE SUITE 300 COLUMBUS, OH 43240 P 614-839-0250 F 614 839 0251
CITY OF CIRCLEVILLE, OHIO DEPT. OF PUBLIC UTILITIES 104 E. FRANKLIN ST. CIRCLEVILLE, OH
WOODLAND DRIVE STORM, SANITARY, AND WATER LINE IMPROVEMENTS CIRCLEVILLE, OH
Revisions
Date 29 JULY, 2019 Scale NTS Dwg. Title GENERAL NOTES Sheet G-1

WATER MAINS WATER MAIN PIPE: ALL WATER MAIN AND SERVICE CONNECTIONS LARGER THAN 4 INCHES IN DIAMETER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE, AWWA C150, PRESSURE CLASS 350, AND AS FURTHER REFERENCED IN THE DRAWINGS. DUCTILE IRON PIPE SHALL BE PROTECTED FROM CORROSION WITH AN 8-MIL POLYETHYLENE ENCASEMENT MEETING THE REQUIREMENTS OF CMS ITEM 801.03, INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

WATER SERVICE CONNECTIONS: ALL EXISTING WATER SERVICES TO BE LEAD OR GALVANIZED SHALL BE REPLACED WITH COPPER TYPE K OR 3408 HIGH DENSITY POLYETHYLENE (HDPE) DR-11, PRESSURE CLASS 160. EXISTING WATER SERVICES SHALL BE MAINTAINED UNTIL TRANSFER TO THE NEW WATER MAIN IS COMPLETE.

TRENCHING AND BEDDING: DUCTILE IRON PIPE SHALL BE INSTALLED AND TESTED AS SPECIFIED IN THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED IN THE PLANS.

BACKFILL: BACKFILL SHALL BE AS REQUIRED IN SECTION 801 OF THE COLUMBUS CMS, WITH THE FOLLOWING EXCEPTION: FOR ALL WATER MAIN CONSTRUCTION DIRECTLY UNDER THE PAVEMENT, PLACE BEDDING WITH COMPACTED GRANULAR MATERIAL COMPLYING WITH THE REQUIREMENTS OF CMS ITEM 703.17. BACKFILL UP TO PAVEMENT RESTORATION LIMITS WITH GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CMS ITEM 703.11. FOR ALL WATER MAINS NOT UNDER THE DIRECT INFLUENCE OF PAVEMENT REFER TO SHEET G-8 FOR BEDDING BACKFILL DETAILS.

HYDROSTATIC TEST PRESSURE: TAPPING SLEEVE AND VALVE AND WATER MAIN PIPE PRESSURE SHALL BE TESTED AT 150 PSI FOR TWO (2) HOURS FOLLOWING THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS AND STANDARD DRAWING L-6640.

BURIED VALVES: GATE VALVES SHALL CONFORM TO AWWA C509 AND SHALL BE IRON BODY, SINGLE DISC. RESILIENT SEATED WITH A SMOOTH WATERWAY BODY AND A HIGH-STRENGTH IRON WEDGE FULLY ENCAPSULATED WITH A URETHANE RUBBER PERMANENTLY BONDED TO METAL DESIGNED TO HAVE A WORKING PRESSURE OF 200 PSI. ALL VALVES SHALL HAVE A NON-RISING STEM WITH RUBBER "O" RING PACKING SEALS. THE VALVE SHALL OPEN BY TURNING COUNTERCLOCKWISE.

BURIED FASTENERS: ALL BURIED FASTENERS ASSOCIATED WITH FITTINGS, VALVES, HYDRANTS, PIPE THRUST RESTRAINTS, AND WATER MAINS SHALL BE MADE OF 304 STAINLESS STEEL.

THRUST RESTRAINT: ALL TEES, BENDS, VALVES, AND CAPS SHALL HAVE MECHANICAL RESTRAINTS AND SHALL BE MADE USING MANUFACTURED JOINT RESTRAINT SYSTEMS AS APPROVED BY THE CITY AND CAPABLE OF WITHSTANDING 1.5 TIMES THE HYDROSTATIC TEST PRESSURE. REFER TO SHEET G-3 FOR PIPE RESTRAINT JOINT TABLE. COST INCLUDE IN THE PRICE BID FOR CMS ITEM 801.

FIRE HYDRANTS: FIRE HYDRANTS SHALL BE AMERICAN DARLING MODEL B-84-B PAINTED FACTORY HYDRANT "SAFETY ORANGE" AND SHALL OPEN BY TURNING COUNTERCLOCKWISE. THE HYDRANT SHALL HAVE ONE (1) 4-1/2-INCH PUMPER NOZZLE AND TWO (2), 2-1/2-INCH NOZZLES.

1. FIRE HYDRANTS SHALL BE POST TYPE, MADE OF CAST IRON, AND SHALL CONFORM IN ALL RESPECTS TO THE AMERICAN WATER WORKS ASSOCIATION STANDARD FOR DRY-BARREL FIRE HYDRANTS, ANSI/AWWA C502-85, EXCEPT WHERE MODIFIED HEREIN.

2. MAIN VALVE SHALL BE COMPRESSION TYPE OPENING AGAINST THE PRESSURE AND CLOSING WITH THE PRESSURE. MAIN VALVE SEAT SHALL BE MADE OF BRONZE AND SHALL BE DESIGNED TO ALLOW FOR REPLACEMENT IN THE FIELD. THE DESIGN SHALL ELIMINATE THE CONTACT OF DISSIMILAR METALS IN AREAS OF THE HYDRANT THAT ARE SUBJECT TO THE CONTINUOUS PRESENCE OF MOISTURE.

3. ALL INTERNAL WORKING PARTS SHALL BE REMOVABLE FROM THE TOP OF THE HYDRANT, WITH SIMPLE TOOLS, AND WITHOUT DISTURBING THE GROUND LINE JOINT OR THE UPPER SECTION OF THE HYDRANT BARREL

4. BREAKABLE TRAFFIC FEATURES SHALL BE PROVIDED, SHALL INCLUDE A BREAKABLE SAFETY DEVICE ON THE GROUND LINE JOINT, AND A BREAKABLE COUPLING ON THE MAIN VALVE STEM AT THE GROUND LINE JOINT. THE DESIGN SHALL ENSURE THAT ON HEAVY IMPACT, THE UPPER AND LOWER SECTIONS OF THE HYDRANT WILL BREAK APART CLEANLY WITHOUT DAMAGE TO ANY OTHER HYDRANT PARTS. THE GROUND LINE JOINT SHALL BE DESIGNED TO ALLOW THE NOZZLE SECTION OF THE HYDRANT TO BE ROTATED 360°. 5. NOZZLES SHALL BE BRONZE AND REPLACEABLE, DESIGNED FOR EASY REMOVAL FROM THE HYDRANT BARREL, IN THE FIELD, WITH SIMPLE TOOLS. 6. OPERATING NUT SHALL BE PENTAGONAL, MEASURING 1-1/2 inches from point to

OPPOSITE FLAT. 7. BURY SHALL BE FIVE (5) FEET UNLESS OTHERWISE SPECIFIED.

8. NO DRAIN HOLES OR DRAIN VALVES ARE TO BE PROVIDED WITH THE HYDRANT. 9. THE SHOE SHALL HAVE A 6-INCH DIAMETER INLET AND A MECHANICAL JOINT CONNECTION WITH ACCESSORIES.

10. THE CONTRACTOR SHALL FURNISH TO THE CITY OF CIRCLEVILLE ONE (1) EACH OF THE FOLLOWING FOR THIS PROJECT:

- A. ONE SAFETY FLANGE REPAIR KIT.
- B. OPERATING WRENCH (1-1/2 INCH PENTAGON)C. SEAT REMOVAL TOOL (DISASSEMBLY WRENCH)

SANITARY SEWERS

ALL SANITARY SEWERS PIPE SHALL BE POLYVINYL CHLORIDE (PVC) PIPE SDR-35. SEWER PIPE SHALL ALSO MEET THE REQUIREMENTS FOR PLASTIC PIPE IN ACCORDANCE WITH CMS TEM 720.16. JOINTS SHALL BE BELL AND SPIGOT TYPE MEETING THE REQUIREMENTS OF CMS ITEM 901.15.

MANHOLES AND APPURTENANCES: SANITARY MANHOLES SHALL BE TYPE "C", PRECAST MANHOLE STRUCTURES PER CITY OF COLUMBUS STANDARD DRAWING AA-S102, AND MEET THE REQUIREMENTS OF CMS ITEM 604. MANHOLE TO PIPE JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C443 FOR USE OF CONFINED GASKETS AND SHALL BE WATERTIGHT IN ACCORDANCE WITH CMS ITEM 706.10. ALL CONCRETE AND SANITARY SEWER STRUCTURES SHALL EITHER BE STAMPED OR HAVE OTHER IDENTIFICATION NOTING THAT SAID PIPE AND STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF CIRCLEVILLE OR THEY SHALL BE EQUAL IN QUALITY TO THOSE THAT WOULD BE ACCEPTABLE TO THE CITY OF COLUMBUS OR OHIO DEPARTMENT OF TRANSPORTATION.

SANITARY SEWER PIPES SHALL BE LAID TO GRADE AND SLOPE AS SHOWN IN THE PLANS. SLOPES SHALL MEET THE MINIMUM REQUIREMENTS AS SET FORTH IN THE CITY OF COLUMBUS SANITARY SEWER DESIGN MANUAL, LATEST EDITION.

STORM SEWERS ALL STORM SEWER PIPE 12 INCHES AND LARGER SHALL BE REINFORCED CONCRETE PIPE PER CMS ITEM 706.02. STORM SEWER PIPE LESS THAN 12 INCHES SHALL BE POLYVINYL CHLORIDE (PVC) SDR-35 UNLESS OTHER WISE NOTED.

INLETS, CATCH BASINS, MANHOLES AND ENDWALLS SHALL BE AS SHOWN IN CITY OF COLUMBUS STANDARD DRAWINGS AA-S102, AA-S133A, AND AA-S169, OR APPROVED EQUALS, AND SHALL INCLUDE PLASTER COAT LIME-CEMENT MORTAR 0.5 INCH THICK INSIDE IF NOT PRECAST. MANHOLES AND STRUCTURES SHALL MEET THE REQUIREMENTS OF CMS ITEM 604.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TEMPORARY TRAFFIC CONTROL WITH THE CITY OF CIRCLEVILLE, EMERGENCY SERVICES AND PUBLIC SCHOOLS. THE CONTRACTOR SHALL PROVIDE A PROJECT SCHEDULE AND TWO (2) WEEKS NOTICE PRIOR TO COMMENCEMENT OF WORK TO THE ABOVE ENTITIES AND ALL RESIDENTS WITHIN THE PROJECT AREA.

A MINIMUM OF TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING THE COURSE OF THE PROJECT ON FOLSOM AVENUE. FOLSOM AVENUE SHALL BE OPENED FULLY DURING NON-WORKING HOURS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENTS ON WOODLAND DRIVE AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN THE REQUIRED TRAFFIC CONTROL DEVICES IN COORDINATION WITH THE CITY OF CIRCLEVILLE AND IN ACCORDANCE WITH THE STATE OF OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND/OR ANY OTHER MEANS EMPLOYED FOR MAINTENANCE OF TRAFFIC THROUGH THE PROPOSED WORK ZONES.

ALL CONCRETE AND STORM SEWER STRUCTURES SHALL EITHER BE STAMPED OR HAVE OTHER IDENTIFICATION NOTING THAT SAID PIPE AND STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF CIRCLEVILLE OR THEY SHALL BE EQUAL IN QUALITY TO THOSE THAT WOULD BE ACCEPTABLE TO THE CITY OF COLUMBUS OR OHIO DEPARTMENT OF TRANSPORTATION.

MAINTENANCE OF TRAFFIC

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ADEQUATE LIGHTS, SIGNS, AND BARRICADES SHALL BE USED TO SAFEGUARD THE TRAVELING PUBLIC AS REQUIRED IN CMS ITEM 614. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ADJACENT BUSINESS OWNERS PRIOR TO ANY WORK STARTING. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION.



LEGEND

		<u>P</u>	
		— R/W —	
w w		- <u> </u>	
SAN SAN SAN SAN	w	w	w
ST ST ST ST ST	—san——	SAN	SAN
GAS GAS GAS GAS SAN SAN SAN SAN SAN SAN SAN SAN SAN S	<u> </u>	st	ST
SAN SAN SAN SAN SAN SAN ST	GAS	GAS	GAS
- st $-$ st $-$ st $-$ st $ -$	SAN	SAN	SAN
W = W = W $OHE = OHE = OHE$ $UEL = UEL = UEL$ $OTL = OTL = OTL$ $T = 685 = -$ $X = X = X = X = X$ E/P F	ST	ST	ST
OHEOHEUELUELUEL OTLOTLOTLOTL 685 xxxxx E/P J J J	W	W	W
$\begin{array}{c} UEL \\ - OTL \\ -$	OHE	OHE	OHE
- $ -$	UEL	UEL	UEL
685 $x - x - x - x - x - x - x - x - x - x -$	OTL	OTL	OTL
x x		— 685 — ·	
	x x E/	-x x x P -	XX

WV

 \square

 $\checkmark \checkmark$

1YYO

ST

(ST)

 \bigcirc

SA

(TBA)

(TBR)

PROPERTY LINE RIGHT-OF-WAY LINE CENTERLINE OF ROAD PROPOSED WATER LINE PROPOSED SANITARY SEWER PROPOSED STORM SEWER GAS LINE SANITARY SEWER LINE STORM SEWER LINE WATER LINE OVERHEAD ELECTRIC LINE UNDERGROUND ELECTRIC LINE OVERHEAD TELEPHONE LINE ELEVATION CONTOUR FENCE EDGE OF PAVEMENT POWER POLE LIGHT POLE TELEPHONE POLE UTILITY POLE GUY WIRE PROPOSED WATER VALVE PROPOSED FIRE HYDRANT WATER VALVE FIRE HYDRANT PROPOSED STORM MANHOLE PROPOSED STORM MANHOLE STORM CURB INLET STORM CURB INLET STORM CATCH BASIN STORM MANHOLE STORM MANHOLE PROPOSED SANITARY MANHOLE SANITARY MANHOLE SIGN TREE SHRUB TO BE ABANDONED TO BE REMOVED





















cts\2018\20H01WD-18562 Circleville Woodland Drive\Drawings\Sheet\G-3_Legend_Details.dwg by: bboggs on 07/29/2019 1:52 PM ~ for P&L Systems, Inc.

jects\2018\20H01WD-18562 Circleville Woodland Drive\Drawings\Sheet\G-3_Legend_Details.dwg by: bboggs on 07/29/2019 1:53 PM ~ for P&L Systems, Inc.

NOTES: 1 THIS TOPOGRAPHIC SURVEY IS BASED UPON RECORDED DATA AND AN ACTUAL FIELD SURVEY OF THE SITE PERFORMED IN DECEMBER 2018 AND MARCH 2019. STREET, ALLEY AND LOT LINES ARE PLOTTED FROM COUNTY DEED RECORDS, AND THE RECORD PLAT CITED HEREON, AND ALIGNED TO LIMITED, FOUND PROPERTY MONUMENTATION, AND SAID LINES DO NOT CONSTITUTE A BOUNDARY SURVEY. 2. THIS TOPOGRAPHIC SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSONS OR ENTITY NAMED IN THE TITLE BLOCK OR CERTIFICATION HEREON. SAID CERTIFICATION DOES NOT EXTEND TO ANY UNNAMED PERSONS OR ENTITY WITHOUT AN EXPRESS RECERTIFICATION BY THE SURVEYOR NAMING SAID ENTITY. 3. PROPERTY IS WITHIN FLOOD ZONE "X" (AREAS OF MINIMAL FLOODING), PER FEMA FLOOD INSURANCE RATE MAP NO. 39129C 0302 J, EFFECTIVE DATE JULY 22, 2010. 4. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN SHOWN ON THIS PLAN IN ACCORDANCE WITH AVAILABLE RECORDS. IT IS BELIEVED THAT THESE LOCATIONS ARE ESSENTIALLY CORRECT, HOWEVER THE CONTRACTOR SHALL INVESTIGATE AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764 AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING WORK. NON-MEMBERS MUST BE CALLED DIRECTLY. 5. OUPS REFERENCE NUMBERS: A833-702-350 (FOLSOM AVE.) AND A833-702-364 (WOODLAND DRIVE) PHYSICAL MARKINGS A833-702-353 (FOLSOM AVE.) AND A833-702-360 (WOODLAND DRIVE) RECORD PLANS UTILITY CONTACTS: ELECTRIC: AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OH 43230–6605 1–800–277–2177 GAS COLUMBIA GAS OF OHIO – COLUMBUS 920 W. GOODALE BLVD. COLUMBUS, OH 432112 DOUG WILLAMAN 614-460-2085 TELEPHONE FRONTIER COMMUNICATION 401 MERRITT 7 AMERITECH 150 E. GAY STREET, ROOM 7B NORWALK, CONNECTICUT 06851 COLUMBUS, OH 43215 MIKE LOSEKAMP 614-223-4564 855-697-5609 WATER/SEWER CITY OF CIRCLEVILLE 104 E. FRANKLIN STREET CIRCLEVILLE, OH 43113 740-477-8255 CABLE FRONTIER COMMUNICATION 401 MERRITT 7 NORWALK, CONNECTICUT 06851 855-697-5609 CHARTER SPECTRUM COMMUNICATION 3770 E. LIVINGSTON AVENUE COLUMBUS, OH 43227 614-236-1200, 585-947-7656 . BENCHMARKS: BENCHMARK 1 - IRON PIN FOUND AT THE SOUTHWESTERLY CORNER OF LOT NUMBER 1. ELEV. 683.73 (NAVD 88) BENCHMARK 2 - TOP OF IRON ROD FOUND ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF WOODLAND DRIVE AT LOT 11. ELEV. 694.00 (NAVD 88) ____+ - 1 <u>CATCH BASIN</u> T.C.=679.63 NV:-674.53(12"NW) ~ NV.=674.38(12"N) ₩V.=674.28(12"E) CAS XSTREET SIGN

SANITARY SERVICE TABLE

ADDRESS	SIZE	LENGTH
584 WOODLAND DR	6"	76 LF
585 WOODLAND DR	6"	71 LF
574 WOODLAND DR	6"	68 LF
568 WOODLAND DR	6"	36 LF
563 N. PICKWAY ST	6"	28 LF
146 FOLSOM AVE	6"	45 LF
142 FOLSOM AVE	6"	44 LF
140 FOLSOM AVE	6"	47 LF
138 FOLSOM AVE	6"	47 LF
139 FOLSOM AVE	6"	46 LF
555 N. PICKWAY ST	6"	46 LF
SERVICE LENGTHS SH	HOWN II	N THIS TA

ARE APPROXIMATE. FINAL LENGTHS TO BE DETERMINED DURING CONSTRUCTION.

WATER SERVICE TABLE

ADDRESS	SIZE	LENGTH	TYPE
584 WOODLAND DR	3/4"	93 LF	LONG
585 WOODLAND DR	3/4"	60 LF	SHORT
574 WOODLAND DR	3/4"	118 LF	LONG
568 WOODLAND DR	3/4"	36 LF	LONG
563 N. PICKWAY ST	3/4"	55 LF	LONG
146 FOLSOM AVE	3/4"	30 LF	SHORT

ARE APPROXIMATE. FINAL LENGTHS TO BE DETERMINED DURING CONSTRUCTION.

018\20H01WD-18562 Circleville Woodland Drive\Drawings\Sheet\C-3_Pavement Plan.dwg by: bboggs on 07/29/2019 1:42 PM ~ for P&L Systems

RESTORATION LEGEND

PICKAWAY STREK

PAVEMENT RESTORATION LIMITS. SEE DETAIL SHEET G-8.

SEEDING AND MULCHING LIMITS

DITCH SODDING LIMITS.

<u>PROPOSED 8" WATER MAIN PROFILE</u> SCALE: 1" = 20' H; 1' = 5' V

ALL SANITARY PIPE SHALL MEET ASTM D3034 SDR35 FOR PIPE MATERIAL AND ASTM D3212 FOR PIPE JOINTS.

20 10 0 2 $SCALE : 1" = 20$ $5 2.5 0 5$ $SCALE : 1" = 5$ $SCALE : 1" = 5$	20 40 0' H 5 10 5' V - 700 - 695	FY OF CIRCLEVILLE, OHIO EPT. OF PUBLIC UTILITIES 104 E. FRANKLIN ST. CIRCLEVILLE, OH
PROPOSED 8" STM INV.=689.13	STA 5+00 THIS SHEET	
181'~ 8" PVC SEWER @ 0.45% 4+00 EXISTING PAVEMENT (MH-8) (MH-2)	NES - 680 HUHDEW - 675 - - 670 - - 670 5+00 - 690	WOODLAND DRIVE STORM, SANITARY, AND WATER LINE IMPROVEMENTS CIRCLEVILLE, OH
T/CASTING ITEM 912 02+77 EL. 681.40 +77 +77 PR 8" STM -0 +77 NV.=678.78 -0 -0 43'~ 8" PVC SEWER SEE 0.45% THIS	- T/CASTING EL. 683.70 - BROFILE S SHEET - 675 - 670	Beta
AA-S102 8" INV.(NE)=676.3 8" INV.(NE)=676.3 8" INV.(NE)=676.3 8" INV.(NE)=676.3 8" INV.(NE)=676.3 8" INV.(NE)=676.1 8" INV.(NE)=676.1	665 	Date 02 MAY, 2019 Scale AS SHOWN Dwg. Title SANITARY SEWER/ WATER MAIN PROFILES Sheet C-4

8415 COLU

PROPOSED STORM DRAINAGE DITCH CROSS SECTIONS SCALE: 1" = 10' H; 1' = 10' V

