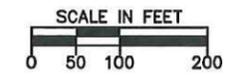
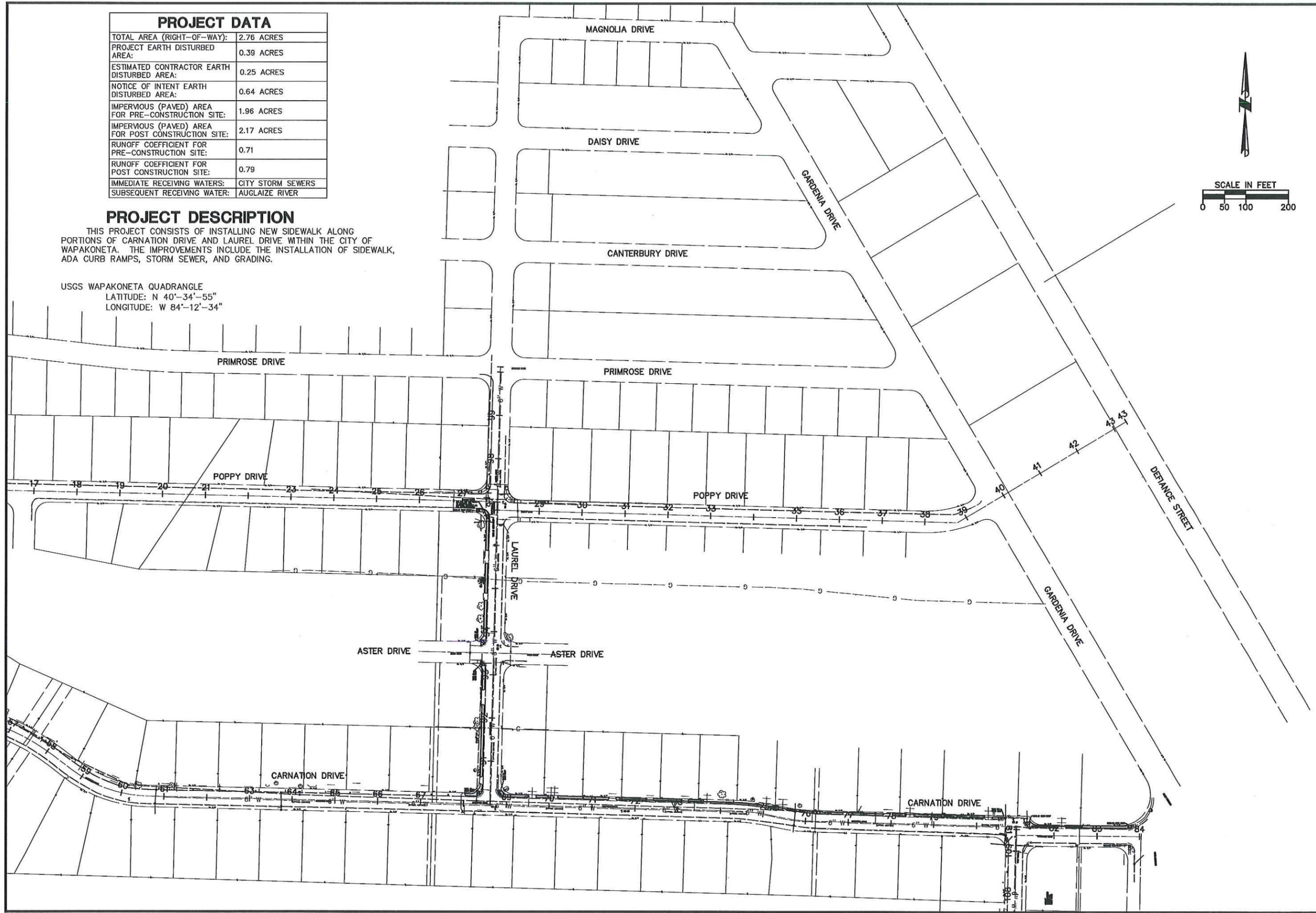


PROJECT DATA	
TOTAL AREA (RIGHT-OF-WAY):	2.76 ACRES
PROJECT EARTH DISTURBED AREA:	0.39 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	0.64 ACRES
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE:	1.96 ACRES
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE:	2.17 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE:	0.71
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE:	0.79
IMMEDIATE RECEIVING WATERS:	CITY STORM SEWERS
SUBSEQUENT RECEIVING WATER:	AUGLAIZE RIVER

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING NEW SIDEWALK ALONG PORTIONS OF CARNATION DRIVE AND LAUREL DRIVE WITHIN THE CITY OF WAPAKONETA. THE IMPROVEMENTS INCLUDE THE INSTALLATION OF SIDEWALK, ADA CURB RAMPS, STORM SEWER, AND GRADING.

USGS WAPAKONETA QUADRANGLE
 LATITUDE: N 40°-34'-55"
 LONGITUDE: W 84°-12'-34"



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**SAFE ROUTES TO SCHOOL PHASE 3
 CITY OF WAPAKONETA
 SITE PLAN**

REVISIONS:

FILE NAME	AUGWAP1305STA
DRAWN BY	RJL
CHECKED BY	AVS
PROJECT No.	AUGWAP1305
DATE	05-19-2014
SHEET NUMBER	

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON U.S.G.S. AND CITY OF WAPAKONETA DATUM.

GENERAL NOTES AND DETAILS

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE CITY ENGINEERING STANDARDS AND SPECIFICATIONS OR OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS, WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

UTILITY OWNERSHIP

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

STREET, STORM, SANITARY, AND ELECTRIC	CITY OF WAPAKONETA 701 PARLETTE COURT P.O. BOX 269 WAPAKONETA, OHIO 45895 ELECTRIC - DON SCHNARRE WATER - BRENT HAMEL STREETS - MERIL SIMPSON SANITARY - ROBERT BURNS 419-738-3011	CABLE TV	TIME WARNER CABLE 3100 ELIDA ROAD LIMA, OHIO 45805 419-303-5714 ATTN: GARY HONERBRINK
TELEPHONE	TELEPHONE SERVICE COMPANY 2 WILLIPIE STREET WAPAKONETA, OHIO 45895 ATTN: RANDY HEINL 419-739-2200	GAS	DOMINION EAST OHIO GAS 150 S. JACKSON ST. LIMA, OHIO 45801 ATTN: BRIAN HOLDEN 419-226-4829
ELECTRIC	DAYTON POWER & LIGHT 1900 DRYDEN RD. DISTRIBUTION ENGINEERING AREA 136 DAYTON, OHIO 45439 ATTN: WILLIAM GOURLEY 937-331-4521	GAS PIPELINE	MID VALLEY PIPELINE 525 FRITZ TOWN RD. SINKING SPRINGS, PA 19608 1-888-786-3260
			OHIO UTILITIES PROTECTION SERVICE 2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 1-800-362-2764

UTILITY INTERFERENCE

IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

EXISTING TILE HOOKUPS

ANY DRAINAGE TILE CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER. ANY DRAINAGE TILE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. ALL TILE REMOVED, REPLACED AND/OR CONNECTED TO THE STORM SEWER SHALL BE NOTED ON THE RECORD DRAWINGS AND SHALL BE INSPECTED BY THE CITY BEFORE THEY ARE COVERED.

ALL FIELD OR STORM DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS OR PLUGGED AS APPROVED AND DIRECTED BY THE CITY. CONNECTION OF INTERSECTING DRAIN TILES AND THE PROPOSED STORM SEWER SHALL BE THROUGH MANUFACTURED TEES, UNLESS OTHERWISE APPROVED BY THE CITY. COST OF ALL THE ITEMS ABOVE SHALL BE INCLUDED IN THE COST OF ITEM 611 STORM SEWERS.

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 CITY 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 ANY EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE CITY SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH THE EXISTING FACILITY.

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

GRAVEL AND ASPHALT DRIVEWAY/ALLEY INSTALLATION

ALL ADDITIONAL LABOR, MATERIALS, AND EXCAVATION FOR GRAVEL AND ASPHALT DRIVES/ALLEYS SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEM NUMBER, ITEM 304 AGGREGATE BASE OR ITEM 448 ASPHALT CONCRETE.

MUD

THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON CITY STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR 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 APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CITY.

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 CITY.

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 CITY.

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

MISCELLANEOUS

COMPENSATION FOR THE WORK AS SHOWN ON THE PLANS SHALL BE AT THE UNIT PRICES INCLUDED ON THE BID PROPOSAL. NO SEPARATE PAYMENT WILL BE MADE FOR TASKS (NOT ALL INCLUSIVE) INCLUDING SUCH ITEMS AS MOBILIZATION, DEWATERING, RECORD DRAWINGS AND CONNECTIONS TO EXISTING FACILITIES.

WORK LIMITS

ALL WORK SHALL BE WITHIN EXISTING RIGHT-OF-WAY AND/OR CONSTRUCTION LIMITS UNLESS OTHERWISE INSTRUCTED BY THE CITY.

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

RECORD DRAWINGS

THE CONTRACTOR SHALL PROVIDE 2 COMPLETE SETS OF RECORD DRAWINGS TO THE CITY WITHIN 30 DAYS OF PROJECT COMPLETION. THESE DRAWINGS SHALL SHOW ALL CHANGES TO THE ORIGINAL DRAWINGS, ALL WATER MAIN AND LATERAL LOCATIONS AND DEPTHS, ALL MANHOLE AND CATCH BASIN LOCATION AND INVERTS, ALL LATERAL LOCATIONS AND DEPTHS, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION AND ALL OTHER PERTINENT DATA TO THE IMPROVEMENTS. PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

TESTING AND CERTIFICATION

PROVIDE TESTING OF OR CERTIFICATION THAT MATERIAL SUPPLIED FOR THIS PROJECT MEETS THE PROJECT SPECIFICATIONS, IF REQUIRED.

POTENTIAL ITEMS FOR TESTING CONSIST OF TRENCH BACKFILL, EMBANKMENT, AND CONCRETE WHICH MAY BE PERFORMED BY THE CITY IF THEY SUSPECT DEFECTIVE WORK OR MATERIALS.

PAYMENT FOR CERTIFICATION OF WORK SHALL BE INCIDENTAL TO THE VARIOUS ITEMS IT IS RELATED TO AND SHALL INCLUDE ALL COST RELATED TO PROVIDING THE CERTIFICATION AS REQUIRED. COST OF ANY TESTING BY AN ODOT CERTIFIED TESTING LAB CONTRACTED BY THE CITY SHALL BE BORNE BY THE CITY, UNLESS THE TEST DOES NOT MEET PROJECT SPECIFICATIONS OR WORK IS FOUND TO BE DEFECTIVE, AT WHICH, THE CONTRACTOR SHALL PAY THE EXPENSES FOR TESTING.

SPECIAL CONDITIONS

ALL CONCRETE WORK MUST BE FINISHED TO THE SATISFACTION OF THE CITY. CONCRETE CURBING PLACED BY MACHINE MUST BE HAND TROWELED PRIOR TO BROOMING. NO WATER MAY BE USED TO ASSIST TROWELING.

ITEM 448 ASPHALT MAY NOT OVERLAP CURBING. ANY EXCESS ASPHALT MUST BE REMOVED FROM CURBING BEFORE FINAL ROLLING.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. FURTHER, CHOICE ONE ENGINEERING CORPORATION DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH CHOICE ONE ENGINEERING CORPORATION DID LOCATE AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

ASPHALT

ALL ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL APPLY TO THIS PROJECT EXCEPT FOR ODOT ITEM 401.20 ASPHALT BINDER PRICE ADJUSTMENT.

ALL ASPHALT DELIVERED SHALL BE ACCOMPANIED WITH A LOAD TICKET AS PER ITEM 402.07. ASPHALT CONCRETE BID ITEMS ARE NOT ELIGIBLE FOR ANY ASPHALT BINDER PRICE ADJUSTMENT.

EXISTING UTILITY CONFLICT NOTE

IT IS THE INTENT THAT ALL KNOWN CONFLICTING UTILITY POLES, GAS LINES, AND UNDERGROUND TELEPHONE SHALL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION. IF A CONFLICT ARISES, THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY TO GET THE CONFLICT RESOLVED.

GRAFFITI AND VANDALISM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY CONCRETE WORK OR OTHER PAY ITEM UNDER THIS CONTRACT WHICH IS DEEMED UNACCEPTABLE BY THE CITY DUE TO GRAFFITI OR VANDALISM DAMAGE.

FUNDING

DUE TO FUNDING, THE OWNER RESERVES THE RIGHT TO INCREASE, DECREASE, OR OMIT ANY ITEMS LISTED IN THE BID SCHEDULE.

NO FINAL UNIT PRICE ADJUSTMENTS PER ODOT 104.02 WILL BE MADE AT CONTRACT FINALIZATION.

PROPERTY POINTS AND SURVEY MONUMENTS

CARE SHALL BE TAKEN BY THE CONTRACTOR TO SAFEGUARD ANY PROPERTY POINTS OR OTHER SURVEY REFERENCE MARKS ENCOUNTERED DURING CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESET ANY PROPERTY POINT OR SURVEY MONUMENT WHICH IS DISTURBED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. THE PROPERTY POINTS AND SURVEY MONUMENTS SHALL BE RESET UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR.

PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

SAWCUT PAVEMENT JOINTS

SAWCUT PAVEMENT JOINTS SHALL BE INCLUDED IN THE PAYMENT OF ITEM 202, REMOVED, AS PER PLAN. MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN CUT JUST PRIOR TO ASPHALT OR CONCRETE PLACEMENT. BITUMINOUS 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 448, ASPHALT CONCRETE.

OVERNIGHT TRENCH CLOSING

NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25' OR LESS) OF A WORK SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED WORK SHALL BE BACKFILLED AT THE DIRECTION OF THE CITY.

SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK.

COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF RELATED PAY ITEMS OF THIS PROJECT.

CONTRACT WORK PERFORMED BY THE CITY

IF THE CONTRACTOR REFUSES OR FAILS TO PERFORM WORK OF ANY IMMEDIATE NATURE SUCH AS THE PLACEMENT OF BARRICADES, REPLACEMENT OF SIGNS OR OTHER DEVICES REQUIRED BY THIS CONTRACT IN A REASONABLE TIME, THE CITY WILL PERFORM THE NECESSARY WORK. THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY SHALL NOTIFY OR ATTEMPT TO NOTIFY THE CONTRACTOR OF THE NECESSITY TO PERFORM SUCH WORK. THE CITY SHALL BE REIMBURSED BY A DEDUCTION FROM THE CONTRACTOR'S NEXT PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE CITY.

SAFETY

SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR TO WATCH FOR CHILDREN AT PLAY.

THE CONTRACTOR 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 SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

MODIFICATIONS

ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY.

CONCURRENT ACTIVITY

THE CONTRACTOR IS HEREBY ADVISED THAT ALL UTILITY COMPANIES AFFECTED BY THIS PROJECT MAY BE WORKING CONCURRENTLY WITHIN THE PROJECT LIMITS.

ESTIMATED AND CONTINGENT QUANTITIES

THESE PLANS INCLUDE ESTIMATED AND CONTINGENCY QUANTITIES THAT MAY OR MAY NOT BE USED. ANY UNUSED MATERIAL PURCHASED BY THE CONTRACTOR WILL NOT BE PURCHASED OR REIMBURSED BY THE CITY. THE CITY WILL NOT APPROVE ANY WORK DELAYS BECAUSE OF THE LACK OF MATERIALS AT THE SITE. ANY RESTOCKING FEES THAT MAY BE CHARGED WILL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE FIBERS

ALL CURB, DRIVEWAYS, WALKS, AND CURB RAMPS SHALL HAVE 1.5 LBS OF FORTA ULTRA-NET, 1.5" IN LENGTH FIBRILLATED MICROFIBERS OR 1.5 LBS EUCLID CHEMICAL FIBERSTRAND F FIBRILLATED POLYPROPYLENE FIBER, 1.5" IN LENGTH, OR APPROVED EQUIVALENT PER CUBIC YARD.

CONTRACTOR IS TO NOTIFY THE FIBER MANUFACTURER'S SUPPLIER REPRESENTATIVE 48 HOURS PRIOR TO THE FIRST POUR OF THE CONCRETE UTILIZING EACH DIFFERENT FIBER TYPE TO ENSURE FIBERS ARE MIXED CORRECTLY, PLACEMENT, AND FINISHING. FIBER REPRESENTATIVE MUST BE ON SITE FOR THE FIRST POUR OF EACH FIBER TYPE.

LIMITS OF CONSTRUCTION

THE CONTRACTOR IS RESPONSIBLE TO KEEP ALL WORK THAT IS TO BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY. THE REMAINDER OF THE PROJECT, IN WHICH THE CONSTRUCTION LIMITS WILL BE CLOSER THAN 3' TO THE EXISTING RIGHT-OF-WAY, SHALL BE STAKED AND PROPERLY MARKED PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION. THE STAKING/MARKING MUST BE SUFFICIENT ENOUGH TO CLEARLY PROVIDE THE LIMITS OF THE RIGHT-OF-WAY. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE BARRIER AND REPLACE ANY REMOVED OR DAMAGED STAKES THROUGHOUT CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN PAY ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING.

ENVIRONMENTAL NOTE

THIS PROJECT IS LOCATED WITHIN THE SOURCE WATER PROTECTION AREA FOR THE CITY OF WAPAKONETA PUBLIC WATER SUPPLY. IN ORDER TO MINIMIZE THE POTENTIAL FOR A RELEASE IN THIS SENSITIVE AREA, ALL PROJECT RELATED FUELING AND/OR MAINTENANCE ACTIVITIES ARE TO BE UNDERTAKEN IN AN ENVIRONMENTALLY RESPONSIBLE MANNER. THE CONTRACTOR SHALL UTILIZE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS, AND SHALL NOT STORE AND IDLE EQUIPMENT, FUELS AND ANY TOXIC/HAZARDOUS MATERIALS AND CHEMICALS NEAR ANY DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS OR OTHER MATERIALS WHICH COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. IF THE SPILL IS A REPORTABLE AMOUNT, THE CONTRACTOR SHOULD CONTACT THE WAPAKONETA FIRE DEPARTMENT AT 419-738-2014.

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SAFE ROUTES TO SCHOOL PHASE 3
CITY OF WAPAKONETA
GENERAL NOTES

REVISIONS:

FILE NAME

AUGWAP1305GNA

DRAWN BY

BHB

CHECKED BY

AVS

PROJECT No.

AUGWAP1305

DATE

05-19-2014

SHEET NUMBER

3 of 9

ITEM 201 CLEARING AND GRUBBING, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 201 CLEARING AND GRUBBING, EXCEPT AS HEREIN MODIFIED.

THIS WORK SHALL CONSIST OF REMOVING AND TRIMMING TREES, REMOVING STUMPS, TRIMMING AND/OR REMOVING BUSHES, REMOVING LANDSCAPE TIMBERS, ETC. AS NOTED ON THE PLANS. WORK SHALL BE COORDINATED WITH THE INDIVIDUAL PROPERTY OWNERS TO ENHANCE MAXIMUM POSSIBLE SATISFACTION.

PAYMENT FOR ITEM 201 CLEARING AND GRUBBING, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 202 REMOVED, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS, EXCEPT AS HEREIN MODIFIED.

ITEM 202 REMOVED, AS PER PLAN, CONSISTS OF SUCH ITEMS AS CONCRETE PAVEMENT, ASPHALT PAVEMENT, BRICK PAVEMENT, GRAVEL, STEPS, SPRINKLER HEADS, CATCH BASINS, MANHOLES, EXISTING PAVEMENT, POST, FENCE, RAILROAD TIES, LANDSCAPE ROCKS, CURB BOXES, VALVES, LIGHT POLES, HANDRAILS, RAILS, RETAINING WALLS, LANDSCAPE TIMBERS, ETC. AS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT, INCLUDING SAWCUTTING PAVEMENT.

THE REMOVAL OF EXISTING SIDEWALK, EXISTING PIPE AND EXISTING CURB SHALL BE PAID UNDER THEIR RESPECTIVE ITEMS.

ANY ITEM THAT IS REMOVED UNDER OR WITHIN 5' OF PROPOSED CURB, PAVEMENT, SIDEWALKS, OR DRIVEWAY SHALL BE BACKFILLED AND COMPACTED USING ITEM 611 TYPE 1 OR 2 STRUCTURAL MATERIAL AND INCLUDED IN THIS ITEM.

ANY PRIVATE PROPERTY (FENCES, SPRINKLER HEADS, ETC.) SHALL BE REMOVED CAREFULLY AND STORED FOR THE PROPERTY OWNER AT A PLACE DESIGNATED BY OWNER ON THAT PARTICULAR PROPERTY. ANY SALVAGED PUBLIC ITEMS SHALL REMAIN CITY PROPERTY AND SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR AND STORED AT THE CITY SERVICE CENTER.

PAYMENT FOR ITEM 202 REMOVED, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, EXCEPT AS HEREIN MODIFIED.

REMOVAL AND DISPOSAL OF EXISTING DRIVE MATERIALS SHALL BE INCLUDED IN THIS ITEM.

CONCRETE DRIVE APPROACHES SHALL HAVE A MINIMUM THICKNESS OF 6" OR AS NOTED ON THE PLANS. CONCRETE SHALL BE ODOT QC MISC. (CEMENT ONLY - NO POZZOLAN MATERIAL) AND REINFORCE WITH CONCRETE FIBERS. PERFORM A BROOM FINISH AND TOOLED EDGES ON ALL SURFACES AND APPLY CURING COMPOUND IMMEDIATELY. PROVIDE 1/2" PREMOLDED EXPANSION JOINT TO ISOLATE APPROACHES, WALKS, AND CURBING. DRIVES SHALL BE INSTALLED PER THE DETAILS SHOWN ON THESE PLANS.

CONCRETE DRIVE APPROACHES SHALL ALSO HAVE A MINIMUM OF 6" OF ITEM 411 STABILIZED CRUSHED AGGREGATE PLACED UNDER DRIVE APPROACHES. THE COST TO BE INCLUDED IN ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN.

PAYMENT FOR ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE YARD BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 608 CURB RAMPS WITH TRUNCATED DOMES, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 608 WALKS, CURB RAMPS, AND STEPS, EXCEPT AS HEREIN MODIFIED.

ALL RAMPS SHALL BE CONSTRUCTED PER ODOT STANDARD CONSTRUCTION DRAWING DETAILS BP-7.1. THE CITY SHALL APPROVE THE TYPE OF CURB RAMP PRIOR TO CONSTRUCTION. CURB RAMP THICKNESS SHALL BE 6" MINIMUM OR THICKER. A MINIMUM OF 3" OF COMPACTED ODOT ITEM 411 STABILIZED CRUSH AGGREGATE SHALL BE PLACED UNDER ALL RAMPS AND SHALL BE PAID FOR UNDER ITS RESPECTIVE ITEM. ALL CONCRETE SHALL BE REINFORCED WITH CONCRETE FIBERS.

ALL 6" CONTAINMENT CURB SHALL BE INCLUDED IN THE THIS ITEM.

INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) FOR A DISTANCE OF 24" FROM THE BACK OF CURB FOR THE ENTIRE WIDTH OF THE RAMP OPENING WHERE IT IS FLUSH WITH THE PAVEMENT.

THE TRUNCATED DOMES SHALL BE PANELS MANUFACTURED BY DETECTABLE WARNING SYSTEMS, INC., ADA SOLUTIONS, INC., OR EQUIVALENT:

DETECTABLE WARNING SYSTEMS, INC. 6435 JOSHUA TREE AVENUE ORANGE, CA 92867 WWW.DETECTABLE-WARNING.COM	ADA SOLUTIONS, INC. P.O. BOX 3 NORTH BILLERICA, MA 01862 WWW.ADATILE.COM
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THE PANELS SHALL BE GLASS FIBER POLYMER CERAMIC CEMENT PANELS MOLDED IN THE SQUARE PATTERN. COLOR OF THE PANEL SHALL BE APPROVED BY THE CITY PRIOR TO ORDERING.

PAYMENT OF ITEM 608, CURB RAMPS WITH TRUNCATED DOMES, AS PER PLAN, 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 STORM SEWER, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 611, PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES EXCEPT AS HEREIN MODIFIED.

ALL PIPE NOT HAVING A MINIMUM OF 2' OF COVER MUST BE REINFORCED CONCRETE PIPE. THE PIPE MAY BE ANY OF THE PIPES LISTED AS FOLLOWS UNLESS OTHERWISE SPECIFIED ON THE PLANS:

MAIN LINE SEWER:	
REINFORCED CONCRETE PIPE	706.02
REINFORCED CONCRETE ELLIPTICAL PIPE	706.04
CORRUGATED POLYETHYLENE SMOOTH-LINED PIPE	707.33

LATERALS:	
POLYVINYL CHLORIDE PLASTIC PIPE (NON-PERFORATED)	707.41
POLYVINYL CHLORIDE CORRUGATED SMOOTH-INTERIOR PIPE	707.42
POLYVINYL CHLORIDE PROFILE WALL PIPE	707.43
POLYVINYL CHLORIDE SOLID WALL PIPE	707.45

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO FIELD LOCATE ALL EXISTING STORM SEWER, STRUCTURES AND OTHER UTILITIES, PRIOR TO INSTALLING THE PROPOSED STORM SEWER SYSTEM. THE EXISTING STORM SEWER AND LATERALS SHOWN ON THE PLANS ARE IN THE APPROXIMATE LOCATION AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE PROPOSED TIE-INS TO THE EXISTING STORM PRIOR TO ANY STORM SEWER CONSTRUCTION. ALL TIE-INS SHALL BE THROUGH PRECAST TEES OR HOLES INSTALLED USING A CORING MACHINE.

PAYMENT FOR ITEM 611 STORM SEWER, 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 614 MAINTAINING TRAFFIC, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE FOLLOWING REQUIREMENTS SHALL APPLY.

BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE CITY THE NAMES AND TELEPHONE NUMBERS OF A PERSON OR PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY CITY PERSONNEL AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY LIMITS SHALL BE CLOSED AT TIMES WHEN WORK IS NOT BEING PERFORMED, UNLESS PROPERLY BARRICADED.

LOCAL TRAFFIC SHALL BE MAINTAINED FOR ALL RESIDENTS AND BUSINESSES TO THEIR DRIVEWAYS AT ALL TIMES OVER EITHER THE EXISTING PAVEMENT, TEMPORARY AGGREGATE PAVEMENT OR COMPLETED PAVEMENT. WHERE MORE THAN ONE ACCESS TO A BUSINESS OR RESIDENCE EXISTS, ONLY ONE ACCESS NEEDS TO BE MAINTAINED AT A TIME. WHERE ONLY ONE DRIVE EXISTS, ACCESS SHALL BE MAINTAINED AT ALL TIMES BY CONSTRUCTION OF ONE-HALF OF THE DRIVEWAY AT ONE TIME SUBJECT TO THE APPROVAL OF THE CITY.

ALL SIGNS AND BARRICADES MUST HAVE OPERATIONAL AND FUNCTIONAL LIGHTING FROM DUSK TO DAWN AT ALL TIMES.

ALL WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATION, AS WELL AS THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 630 TRAFFIC SIGNS REMOVED AND RELOCATED, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 630 TRAFFIC SIGNS AND SIGN SUPPORTS, EXCEPT AS HEREIN MODIFIED.

THE CONTRACTOR SHALL REMOVE AND REERECT ALL EXISTING SIGNS AND SUPPORTS. THE CITY WILL SUPPLY NEW SIGNS AND SIGN SUPPORTS AS DEEMED NECESSARY BY THE CITY. ALL SIGNS AND SIGN SUPPORTS SHALL BE ERECTED IN ACCORDANCE WITH THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS."

PAYMENT OF ITEM 630 TRAFFIC SIGNS REMOVED & RELOCATED, AS PER PLAN, 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 659 SEEDING AND MULCHING, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659 SEEDING AND MULCHING EXCEPT AS HEREIN MODIFIED.

ALL AREAS DESIGNATED FOR SEEDING SHALL HAVE A MINIMUM OF 6 INCHES OF TOPSOIL OVER THE ENTIRE AREA. THE AREA SHALL BE HAND-RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1 INCH IN SIZE PERMITTED.

COMMERCIAL FERTILIZER 12-12-12 SHALL BE INCLUDED IN ITEM 659 SEEDING AND MULCHING AS PER PLAN AND SHALL BE APPLIED AT THE RATE OF 20 POUNDS PER 1000 SQUARE FEET.

SEEDING APPLICATION SHALL BE AT THE RATE OF 6 POUNDS PER 1000 SQUARE FEET. THE FOLLOWING SEED MIXTURE OR EQUIVALENT SHALL BE USED THROUGHOUT THE LIMITS OF THIS PROJECT IN LIEU OF THE MIXTURES LISTED IN 659.09:

30%	KENTUCKY BLUE(VNS)
23%	PALMER II PERENNIAL RYE
22%	YORKTOWN III PERENNIAL RYE
15%	CREEPING RED FESCUE(VNS)
10%	BARON KENTUCKY BLUEGRASS

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. QUANTITY CALCULATIONS FOR ITEM 659 SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE CITY, WHICH MAY REQUIRE WATERING AND RESEEDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REGRADING AND RESEEDING ANY AREAS THAT HAVE ERODED OR AREAS THAT NEW GRASS DID NOT GERMINATE UNTIL THE ENTIRE AREA IS STABILIZED, SHAPED AND CLEANED AS PER THE DRAWINGS.

PAYMENT FOR ITEM 659 SEEDING AND MULCHING, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM SPECIAL, MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT OF MEASURE	APPROX. QTY.
201	CLEARING AND GRUBBING, AS PER PLAN	LUMP	1
202	REMOVED, AS PER PLAN	LUMP	1
202	CURB AND GUTTER REMOVED	FT.	194
202	WALK REMOVED	S.F.	112
202	MAILBOX REMOVED	EACH	22
304	9" AGGREGATE BASE	C.Y.	12
411	STABILIZED CRUSHED AGGREGATE	C.Y.	106
448	1-1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22	C.Y.	2
448	1-1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-2	C.Y.	2
452	6" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN	S.Y.	106
608	4" CONCRETE SIDEWALK, AS PER PLAN	S.F.	8329
608	CURB RAMPS, AS PER PLAN	S.F.	792
609	CURB AND GUTTER REPLACED IN-KIND	FT.	194
611	4" PVC SCHEDULE 40 CONDUIT, TYPE B	FT.	28
611	6" PVC SCHEDULE 40 CONDUIT, TYPE B	FT.	129
611	8" PVC SCHEDULE 40 CONDUIT, TYPE B	FT.	412
611	MANHOLE ADJUSTED TO GRADE	EACH	1
611	SANITARY SEWER CLEANOUT ADJUSTED TO GRADE, AS PER PLAN	EACH	2
614	MAINTAINING TRAFFIC, AS PER PLAN	LUMP	1
623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LUMP	1
630	TRAFFIC SIGNS REMOVED AND RELOCATED, AS PER PLAN	EACH	4
638	WATER METER ADJUSTED TO GRADE	EACH	3
638	WATER SERVICE ADJUSTED TO GRADE	EACH	1
638	6" PVC DR-18 C-900 WATERMAIN	FT.	8
638	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	EACH	1
659	SEEDING AND MULCHING, AS PER PLAN	S.Y.	1100
SPEC	MAILBOX SUPPORT (SINGLE), AS PER PLAN	EACH	15
SPEC	MAILBOX SUPPORT (DOUBLE), AS PER PLAN	EACH	1

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SAFE ROUTES TO SCHOOL PHASE 3
CITY OF WAPAKONETA
GENERAL NOTES AND ESTIMATED QUANTITIES

REVISIONS:

FILE NAME
AUGWAP1305GNB

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BHB

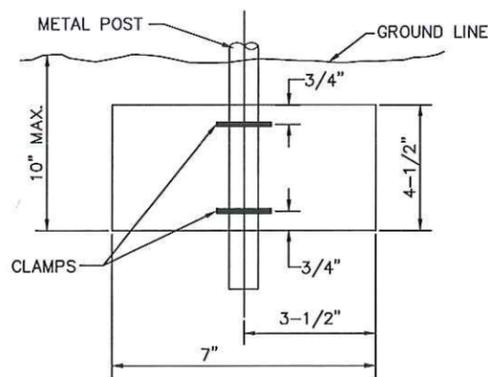
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PROJECT No.
AUGWAP1305

DATE
05-19-2014

SHEET NUMBER

4 OF 9

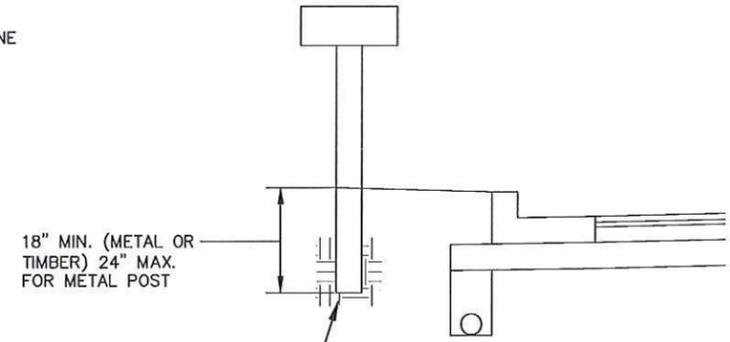


ANTI-TWIST PLATE MAILBOX LOCATIONS

CARNATION DRIVE

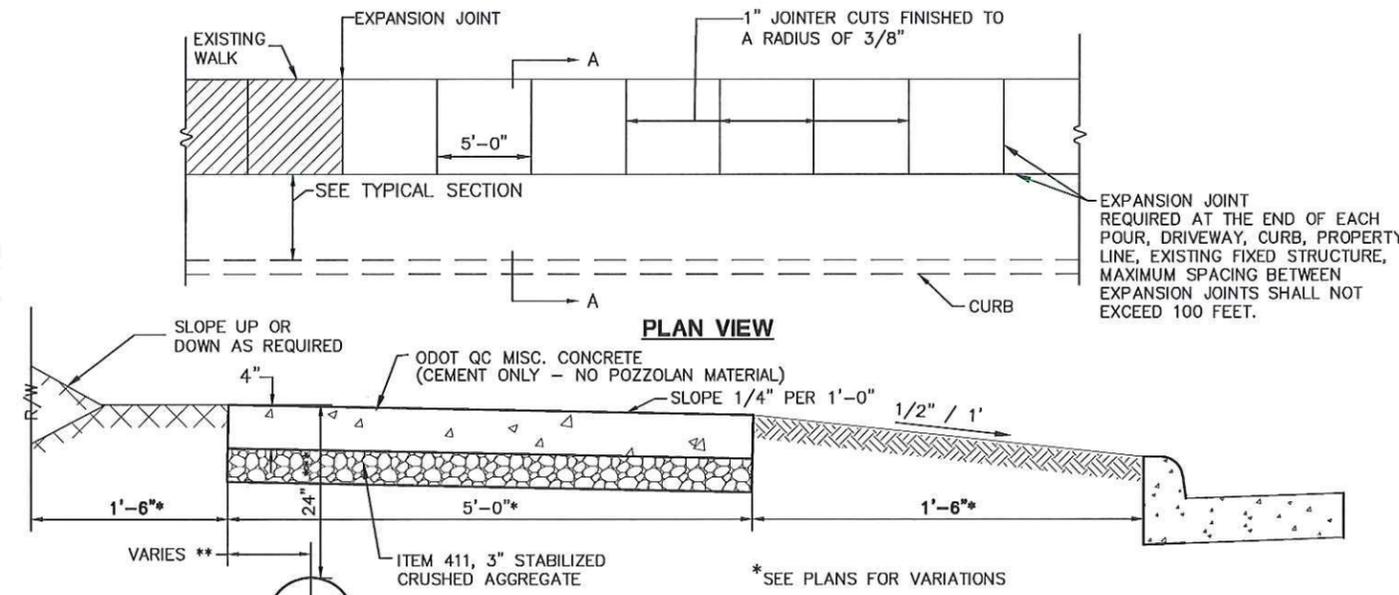
STA. 69+45.5 LT.	3 EACH
STA. 69+99.1 LT.	1 EACH
STA. 70+79.9 LT.	1 EACH
STA. 71+63.8 LT.	1 EACH
STA. 71+66.5 LT.	1 EACH
STA. 72+21.6 LT.	1 EACH
STA. 72+57.8 LT.	1 EACH
STA. 73+50.6 LT.	1 EACH
STA. 73+52.6 LT.	1 EACH
STA. 74+83.9 LT.	2 EACH
STA. 75+57.2 LT.	1 EACH
STA. 76+19.4 LT.	2 EACH
STA. 77+08.8 LT.	1 EACH
STA. 78+20.5 LT.	3 EACH
STA. 80+11.8 LT.	1 EACH
STA. 82+05.0 LT.	1 EACH

ITEM SPECIAL-MAILBOX SUPPORT SYSTEM, SINGLE = 15 TOTAL
 ITEM SPECIAL-MAILBOX SUPPORT SYSTEM, DOUBLE = 1 TOTAL



MAILBOX AT CURB

18" MIN. (METAL OR TIMBER) 24" MAX. FOR METAL POST
 COMPACTED EARTH: CONCRETE EMBEDMENT NOT PERMITTED
 ALL MAILBOX SPECIFICATIONS AND DIMENSIONS MUST MEET THE UNITED STATES POSTAL SERVICE REQUIREMENTS.



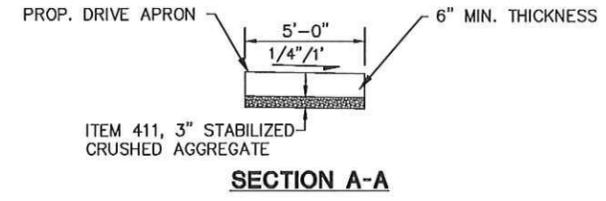
SECTION A-A

NOTE: THE SIDEWALK MAY NEED THE CROSS SLOPE REVERSED TO FIT BETTER WITH EXISTING DRIVEWAY CONDITIONS, IN THESE SITUATIONS, THE DRIVE APRON SHALL BE INSTALLED AS SHOWN ON THE CROSS SECTIONS. WHEN DOING SO, THE PROPOSED SIDEWALK SHALL BE WARPED TO FIT BETTER IN THE FIELD, PER THE APPROVAL OF THE CITY.

SIDEWALK NOTES

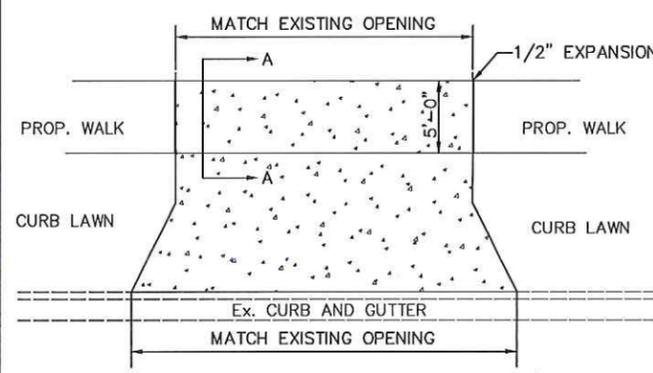
- A. WALK TO BE POURED ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE BEDDING.
- B. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES. TEXTURE SHALL BE A MEDIUM BROOM WITH TOOL FINISH, CITY TO REVIEW AND APPROVE FIRST POUR.
- C. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- D. PROVIDE EDGING AROUND ALL EXPOSED SURFACES.
- E. APPLY WHITE PIGMENTED CURING COMPOUND ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES.
- F. CONCRETE SHALL BE ODOT QC MISC. (CEMENT ONLY - NO POZZOLAN MATERIAL). ALL SIDEWALKS SHALL HAVE A MIN. THICKNESS OF 4", REINFORCED WITH 1.5 LBS. OF FIBER MESH PER CUBIC YARD.
- G. CONCRETE SHALL CONTAIN 6% ± 1% OF TOTAL AIR.
- H. EXPANSION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- I. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED IN THE PLANS. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, WHERE INDICATED, AS FOLLOWS:
 - a. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVER TOOL TO THE FOLLOWING RADIUS. REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVER OVERFLOW SLURRY MARKS ON CONCRETE SURFACES. QUALITY WORK SHALL BE PERFORMED OR THE NEW SIDEWALK WILL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE. RADIUS TO BE 1/4 INCH (6 MM).
 - b. SAWED JOINTS WILL NOT BE PERMITTED.
- J. EDGING: TOOL EDGES OF JOINTS IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL TO A RADIUS OF 1/4 INCH (6 MM). REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ("PICTURE-FRAME" EACH SECTION OF CONCRETE WALK.) ELIMINATE TOOL MARKS (OVERFLOW SLURRY) ON CONCRETE SURFACES.
- K. PER ITEM 608.09 BASIS OF PAYMENT, ALL EXCAVATION FOR THE SIDEWALK AND STABILIZED CRUSHED AGGREGATE BASE SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.

***STORM SEWER DEPTH
 STA. 71+64 TO STA. 75+31, 24" DEEP TO CROWN OF PIPE
 STA. 81+41 TO STA. 82+66, 12" DEEP TO CROWN OF PIPE

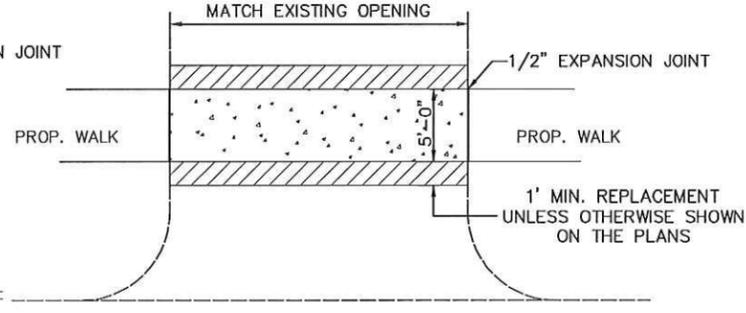


SECTION A-A

MAILBOX SUPPORT DETAILS



COMMERCIAL/ALLEY DRIVE APRON DETAIL

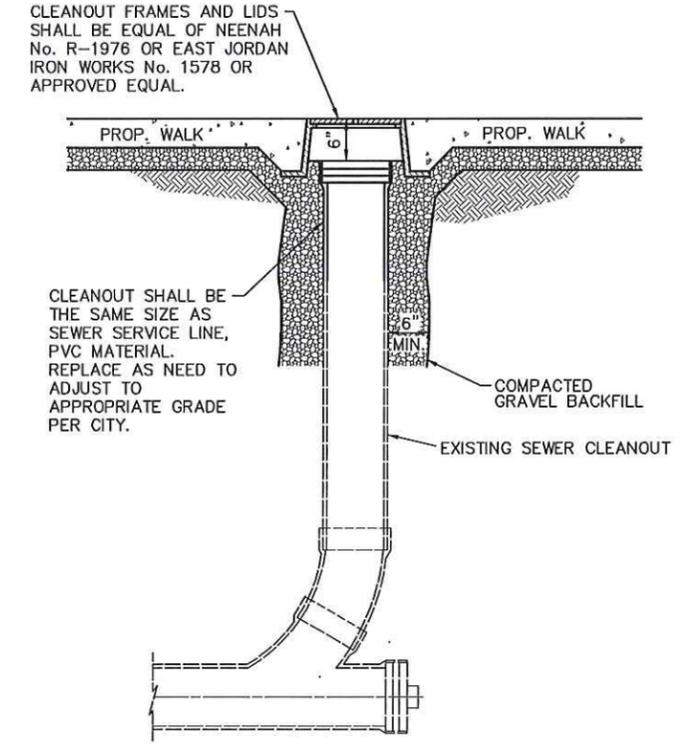


COMMERCIAL/ALLEY DRIVE APRON DETAIL

DRIVE APRON NOTES

- A. DRIVE APPROACHES SHALL MEET THE REQUIREMENTS OF ODOT ITEM 451 AND 499 CAST-IN-PLACE CONCRETE.
- B. DRIVE APPROACHES SHALL NOT BE POURED MONOLITHICALLY WITH CURB OR SIDEWALK.
- C. MAXIMUM JOINT SPACING SHALL BE 10' LONGITUDINALLY, TRANSVERSELY AND AT TAPERS.
- D. EXPANSION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- E. 3" COMPACTED ITEM 411 GRAVEL SHALL BE PLACED UNDER DRIVE APPROACHES AND PAID FOR UNDER ITEM 411 CRUSHED STABILIZED AGGREGATE.
- F. PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES. TEXTURE SHALL BE A MEDIUM BROOM WITH TOOL FINISH, CITY TO REVIEW AND APPROVE FIRST POUR.

- G. JOINTS SHALL BE CLEANED AND EDGED BY A 1/4" RADIUS EDGER. LONGITUDINAL JOINTS SHALL BE AS DIRECTED BY THE CITY. EXPANSION JOINTS SHALL BE OF SUCH DIMENSIONS AS SHOWN ON STANDARD DRAWINGS FOR CONSTRUCTION JOINTS.
- H. WHERE ASPHALTIC CONCRETE PAVEMENT IS DISTURBED, THE ASPHALT SHALL BE REPLACED AS DIRECTED BY THE CITY.
- I. CONCRETE SHALL BE ODOT QC MISC. (CEMENT ONLY - NO POZZOLAN MATERIAL). ALL APPROACHES SHALL HAVE A MIN. THICKNESS OF 6", REINFORCED WITH 1.5 LBS. OF FIBER MESH PER CUBIC YARD.
- J. ALL ALLEYS AND COMMERCIAL DRIVES SHALL BE REINFORCED WITH #5 REBAR 12" ON CENTER, EACH WAY, 3" OFF BOTTOM.
- K. CONCRETE SHALL CONTAIN 6% ± 1% OF TOTAL AIR.
- L. APPLY WHITE PIGMENTED CURING COMPOUND ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES.



CLEANOUT ADJUSTED TO GRADE DETAIL

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REVISIONS:

FILE NAME
 AUGWAP1305GMB

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PROJECT No.
 AUGWAP1305

DATE
 05-19-2014

SHEET NUMBER

**CITY OF WAPAKONETA NOTES
STORM SEWERS AND APPURTENANCES**

ALL STORM SEWERS SHALL CONFORM TO THE REQUIREMENTS OF THE DETAIL PLANS AND SPECIFICATIONS FOR THE PROJECT HEREIN NAMED. ALL MATERIALS SHALL CONFORM TO ODOT SPECIFICATIONS AND THE MANUFACTURER'S SUGGESTED INSTALLATION INSTRUCTIONS. IN NO CASE SHALL INFERIOR OR PREVIOUSLY USED MATERIALS BE INSTALLED IN THIS PROJECT, EXCEPT FOR A TEMPORARY PURPOSE. ALL CONSTRUCTION, DETAILED HEREIN OR NOT, SHALL CONFORM TO ALL EPA RULES AND REGULATIONS CONCERNING STORM WATER RUN-OFF, EROSION AND PROTECTION OF DOWNSTREAM AND UPSTREAM PROPERTIES.

WHEN RETENTION/DETENTION PONDS ARE INCORPORATED INTO THE DESIGN OF THE PROJECT, ALL FLOWLINE GRADES, OVERFLOW GRADES, TOP OF BANK GRADES AND SURROUNDING ELEVATIONS SHALL CONFORM STRICTLY TO THE LAYOUT AS PROVIDED BY THE DETAIL PLANS. ALL TEMPORARY STORM WATER AND GENERAL WATER FLOW SHALL BE MAINTAINED IN A WAY SO AS NOT TO ADVERSELY AFFECT THE SURROUNDING AREAS.

STORM SEWER MANHOLES SHALL CONFORM TO THE SAME REQUIREMENTS AS SANITARY MANHOLES EXCEPT FOR THE FOLLOWING:

CASTINGS AND LIDS SHALL CONFORM TO NEENAH R-1668 (OR EQUAL). CONNECTIONS MAY BE COMPLETED WITH NON-SHRINK GROUT, HAND PLACED, SMOOTHED AND BRUSHED. BOTH INSIDE AND OUTSIDE THE MANHOLE CONNECTION. A RUBBER SEAL OR MASTIC SEAL BETWEEN THE MANHOLE TOP AND CASTING IS REQUIRED. CHIMNEY SEALS ARE NOT NEEDED. VACUUM TESTING IS NOT REQUIRED.

IN-CURB CATCH BASINS SHALL CONFORM TO THE TYPE OF CURB ADJACENT TO THE CASTINGS, UNLESS OTHERWISE DIRECTED. THE GRATE FOR IN-CURB CATCH BASINS SHALL BE A "V" OR VEIN TYPE TO DIRECT THE FLOW INTO THE INLET WITH THE FLOW OF THE STREET. YARD DRAINS SHALL HAVE A GRATE THAT MEETS THE SPECIFICATION OF THE PLANS AND PLACED SO AS TO COLLECT THE SURFACE WATER INTENDED. ALL CASTINGS AND GRATES/LIDS NOT ALREADY PROTECTED WITH A PROTECTIVE PAINT FROM THE MANUFACTURER SHALL BE SO, COATED WITH AN ASPHALTIC PAINT PRIOR TO INSTALLATION.

GENERAL PROCEDURE NOTES

THE CONTRACTOR SHALL CONFORM TO THE PLANS PROVIDED. ANY CHANGES MADE SHALL FIRST BE REVIEWED BY THE AUTHOR OF THE PLANS AND AUTHORIZATION FOR THE CHANGE BE FILED BY THE AUTHOR IN WRITING, PRIOR TO DEVIATING FROM THE PLANS. THE CONTRACTOR SHALL ALSO PROVIDE TO THE CITY'S SITE INSPECTOR A FULL AND COMPLETE SET OF "AS-BUILT" PLANS AT THE COMPLETION OF EACH PHASE OR INDIVIDUAL PORTION OF THE PROJECT.

PRIOR TO THE START OF THE PROJECT OR ANY PORTION THEREOF, THE CONTRACTOR SHALL NOTIFY THE CITY OF WAPAKONETA, ENGINEERING DEPARTMENT, A MINIMUM OF 5 DAYS IN ADVANCE. IN NO CASE SHALL THE CONTRACTOR PERFORM ANY OF THE PROJECT CONSTRUCTION WITHOUT NOTIFICATION TO THE CITY. AT THE CLOSE OF EACH WORK DAY, THE CONTRACTOR WILL SUPPLY TO THE PROJECT INSPECTOR A PROPOSED SCHEDULE FOR THE WORK INTENDED FOR THE NEXT 5 DAYS. IN ALL CASES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) PRIOR TO ANY CONSTRUCTION PHASE.

THE PROJECT INSPECTOR, PROVIDED BY THE CITY OF WAPAKONETA, SHALL PREPARE DAILY INSPECTION REPORTS, SHOWING THE PROGRESS, UTILITIES ENCOUNTERED, INSTALLATIONS MADE, EQUIPMENT ON SITE, AND PROGRESS. AT THE END OF EACH WORKING DAY, THE CONTRACTOR'S DESIGNATED PERSON IN CHARGE SHALL CONFER WITH THE PROJECT INSPECTOR TO EVALUATE THE QUANTITIES INSTALLED. THE CONTRACTOR SHALL RECEIVE A COPY OF THE INSPECTOR'S DAILY REPORTS AND SAID REPORTS ARE TO BE USED TO DETERMINE PAY REQUESTS IF APPLICABLE.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO ENSURE HIMSELF/HERSELF OF THE EXTENT AND INTENT OF THE PROJECT AND AREAS INVOLVED. ANY QUESTIONABLE AREAS, QUANTITIES, MATERIALS, TIME FRAMES, EXTENT/INTENT OR OTHER QUESTIONS BY THE CONTRACTOR SHALL BE PRESENTED TO THE CITY OF WAPAKONETA PRIOR TO THE BIDDING PROCESS.

NON-CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS HEREIN NOTED CAN LEAD TO A PENALTY.

ALL CITY UTILITY INSTALLATIONS, EXCAVATIONS AND IMPROVEMENTS WITHIN PUBLIC RIGHT OF WAY OR EASEMENTS ARE TO BE INSPECTED BY THE CITY PRIOR TO THE CLOSURE. ALL INSTALLATIONS SHALL CONFORM TO THE APPROVED CONSTRUCTION DRAWINGS AND DETAILS.

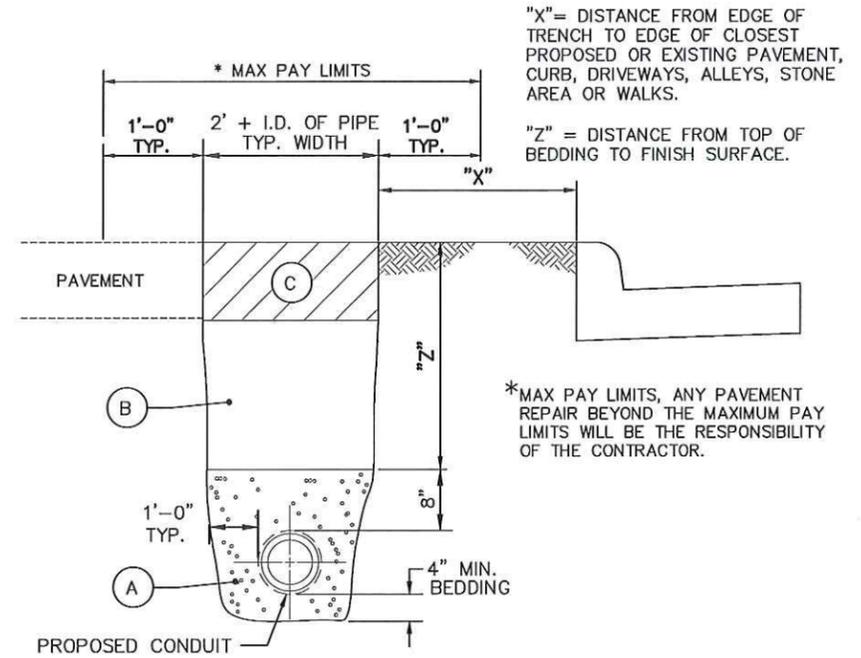
UTILITIES ENCOUNTERED DURING EXCAVATION SHALL BE DETERMINED AS TO SERVICEABILITY AND DIRECTION OF FLOW (IF APPLICABLE). IF QUESTIONS ARISE AS TO THE ABANDONMENT, THE AUTHOR OF THE PLANS OR OWNER OF THE UTILITY SHALL BE CONTACTED. IF THE UTILITY IS TO BE ABANDONED, THE ENTIRE UTILITY SHALL BE REMOVED AND/OR CRUSHED IN PLACE WITHIN THE ENTIRE RIGHT OF WAY OF THE STREET. AT THE TIME OF ABANDONMENT, THE PROCESS OF "SEALING-OFF" THE ENDS OF THE UTILITY SHALL BE MADE IN THE FIELD.

ALL INSTALLATIONS SHALL CONFORM TO THE APPROVED CONSTRUCTION DRAWINGS AND DETAILS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO ALL OSHA REGULATIONS.

HATCH SYMBOLS FOR PLANS

	ITEM 608, 4" CONCRETE SIDEWALK, AS PER PLAN ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE ITEM 609, CURB AND GUTTER, IN-KIND
	ITEM 608, CURB RAMPS WITH TRUNCATED DOMES, AS PER PLAN ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE
	ASPHALT REPAIR: ITEM 448, 1-1/2" ASPHALT CONCRETE, SURFACE COURSE TYPE 1, PG 64-22 ON ITEM 448, 1-1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-22 ON ITEM 304, 9" AGGREGATE BASE (2 EQUAL LIFTS)
	CONCRETE DRIVE AND DRIVE APRONS: FOR RESIDENTIAL ITEM 452, 6" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE
(DND)	DO NOT DISTURB
(TBR)	TO BE REMOVED
(TBA)	TO BE ABANDONED
⊙	MANHOLE ADJUSTED TO GRADE
⊕	VALVE ADJUSTED TO GRADE
⊖	METER PIT ADJUSTED TO GRADE



TRENCH DETAIL

TRENCH DETAIL NOTES

A. STRUCTURAL BEDDING SHALL BE NATURAL CRUSHED STONE OR NATURAL GRAVEL, ODOT 611 TYPE 3 (#57 OR #67), OR OTHER APPROVED EQUIVALENT.

B. ALL TRENCHES WHERE "X" IS GREATER THAN "Z" FOR PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE CITY. NO MATERIAL SHALL BE USED FOR BACK FILLING THAT CONTAINS STONE, ROCKS, ETC., GREATER THAN 4" DIAMETER.

ALL TRENCHES WHERE "Z" IS GREATER THAN "X" FOR PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS SHALL BE COMPACTED WITH STRUCTURAL BACKFILL MATERIAL ODOT ITEM 57'S OR 67'S STONE COMPACTED IN 2' MAXIMUM LIFTS OR LOW STRENGTH MORTAR BACKFILL ODOT ITEM 613 TYPE 1 UNTIL THE TOP OF THE COMPACTED STRUCTURAL BACKFILL OR LOW STRENGTH MORTAR BACKFILL IS HIGH ENOUGH WHERE "X" IS GREATER THAN "Z".

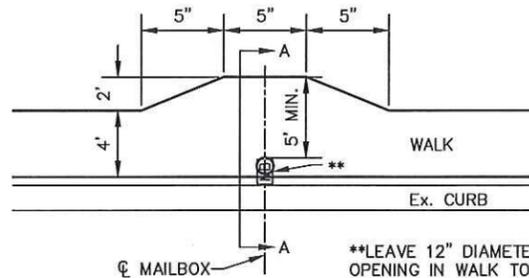
A DENSITY TEST ON STRUCTURAL BACKFILL OF 98% OF ASTM D698 STANDARD PROCTOR CURVE MAYBE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE MUNICIPALITY.

C. OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH A MINIMUM OF 6" OF TOPSOIL OVER THE COMPACTED MATERIAL AND THEN SEEDED AND MULCHED PER ODOT ITEM 659.

IN-PAVEMENT AREAS SHALL FOLLOW THE HATCH SYMBOL SECTION, AS A MINIMUM. IF EXISTING IS THICKER THAN MATCH THE EXISTING COMPOSITION.

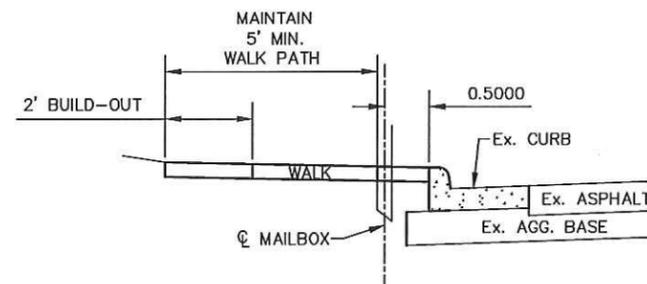
D. THE OPEN ENDS OF ALL PIPES SHALL BE PLUGGED TO THE APPROVAL OF THE CITY BEFORE LEAVING THE WORK FOR THE NIGHT.

E. THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE OSHA RULES & REGULATIONS CONCERNING TRENCHES, CONFINED AREAS, & OTHER RELATED AREAS OF SAFETY, SUCH AS TRENCH BOXES, LADDERS, HARD HATS, ETC.



**LEAVE 12" DIAMETER OPENING IN WALK TO INSTALL MAILBOX SUPPORT (CENTERED WITHIN BUILD-OUT) BACKFILL WITH ITEM 617

SIDEWALK-MAILBOX (BUILD-OUT) PLAN VIEW



SIDEWALK-MAILBOX DETAIL SECTION A-A

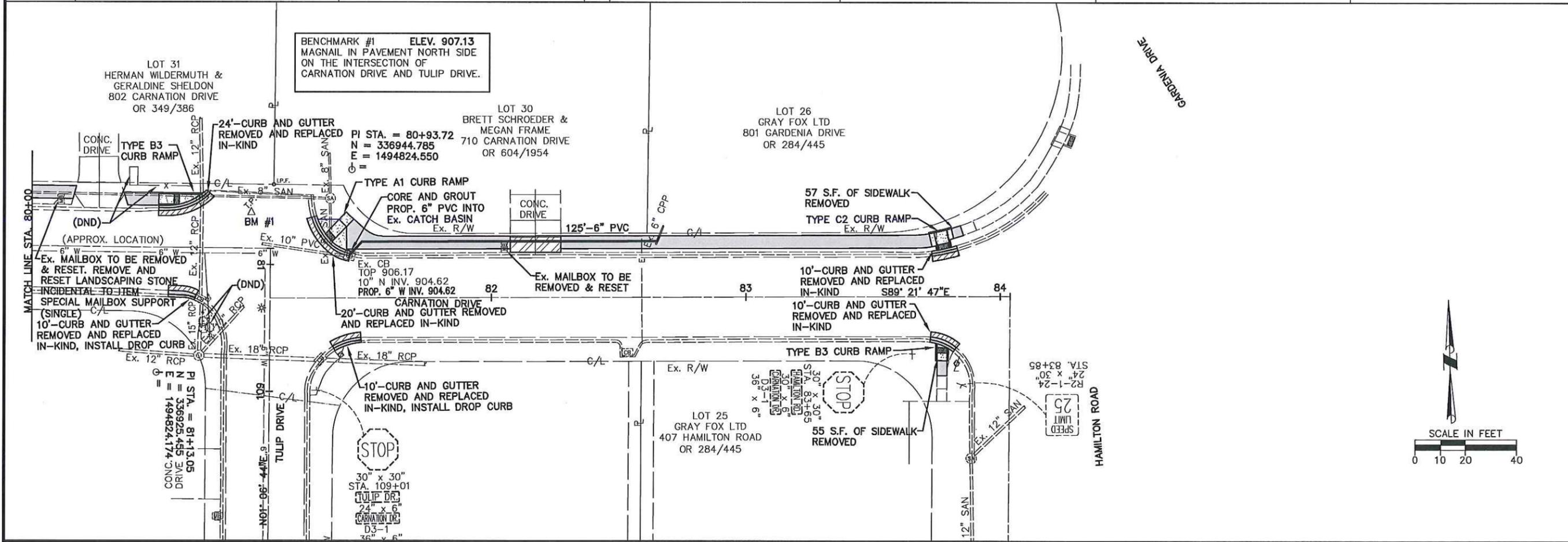
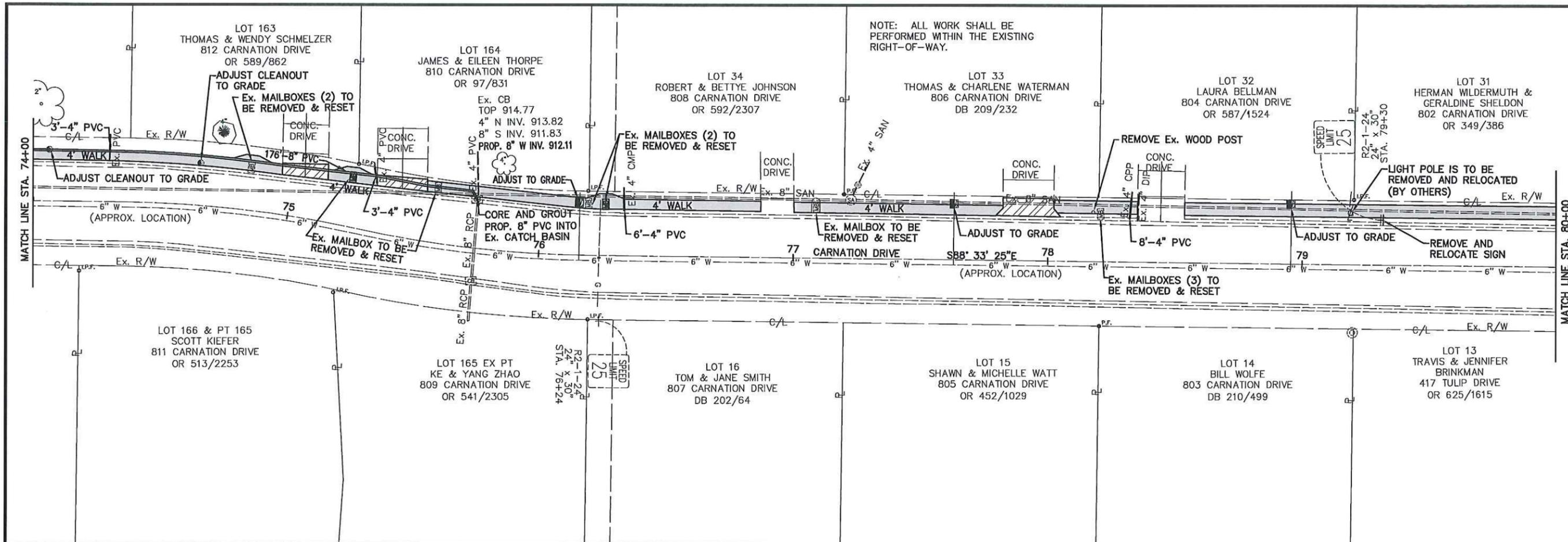
ONE CHOICE ENGINEERING

445 E. WASHINGTON ROAD
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LOVELAND, OHIO 45140
(937) 497-0200
www.choiceengineering.com

**SAFE ROUTES TO SCHOOL PHASE 3
CITY OF WAPAKONETA
GENERAL DETAILS**

REVISIONS:

FILE NAME: AUGWAP1305GMA
DRAWN BY: BHB
CHECKED BY: AVS
PROJECT No.: AUGWAP1203
DATE: 05-19-2014
SHEET NUMBER: 6 OF 9



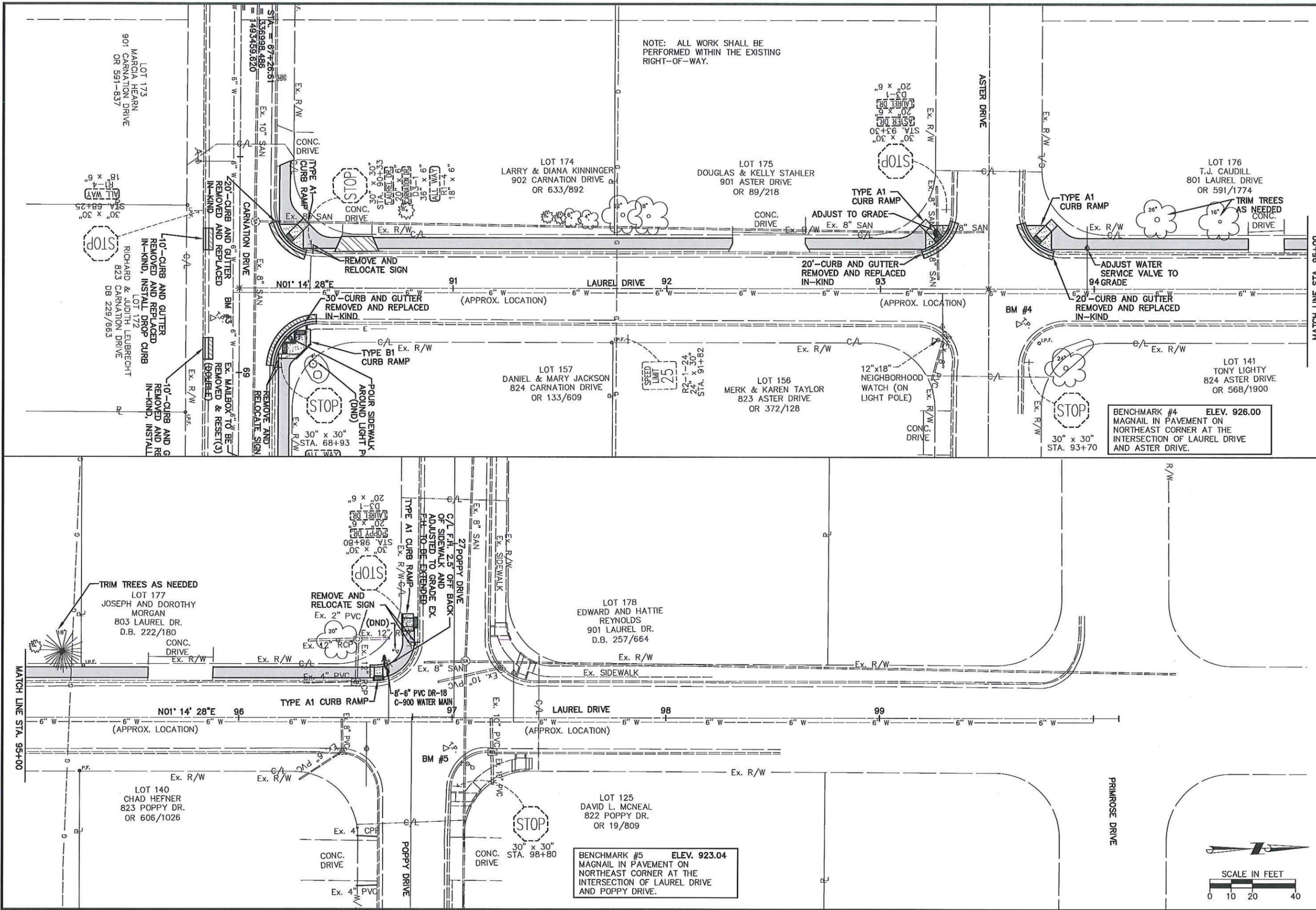
NOTE: ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.

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CHOICE
ENGINEERING

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SAFE ROUTES TO SCHOOL PHASE 3
CITY OF WAPAKONETA
CARNATION DR. PLAN STA. 74+00 TO STA. 86+00

REVISIONS:
FILE NAME CARNATION-DRIVE-PPC
DRAWN BY AJH
CHECKED BY AVS
PROJECT NO. AUGWAP1305
DATE 05-19-2014
SHEET NUMBER 8 OF 9



SAFE ROUTES TO SCHOOL PHASE 3
CITY OF WAPAKONETA
LAUREL DR. PLAN STA. 89+00 TO STA. 101+00

REVISIONS:

FILE NAME	LAUREL-DRIVE-PPA
DRAWN BY	AJH
CHECKED BY	AVS
PROJECT No.	AUGWAP1305
DATE	05-19-2014
SHEET NUMBER	9 of 9

