

SPECIFICATIONS

EXCEPT AS MODIFIED BY THESE PLANS AND BY THE DETAILED SPECIFICATIONS PERTAINING THERETO, ALL WORK SHALL BE GOVERNED BY THE LUCAS COUNTY CONSTRUCTION STANDARDS AND BY THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, "CONSTRUCTION AND MATERIAL SPECIFICATIONS" DATED JANUARY 1, 2019 AND SUPPLEMENTS THERETO IN EFFECT FOURTEEN (14) CALENDAR DAYS PRIOR TO RECEIVING BIDS.

UNDERGROUND UTILITIES AND ADJUSTMENTS

THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE. THE EXACT LOCATION SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH RESPECTIVE UTILITY COMPANY AT LEAST SEVEN (7) DAYS PRIOR TO THE TIME OF CONSTRUCTION. ANY AND ALL ADJUSTMENTS OR EXTENSIONS REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THE PLANS.

UTILITY OWNERSHIP

THE FOLLOWING IS A LIST OF OWNERS OF UTILITIES WHICH MAY BE WITHIN THE LIMITS OF CONSTRUCTION.

TOLEDO EDISON COMPANY 6099 ANGOLA ROAD MS: HLDC-2332 (419) 249-5440	CITY OF TOLEDO, DEPT. OF PUBLIC UTILITIES DIVISION OF ENGINEERING SERVICES ONE LAKE ERIE CENTER 600 JEFFERSON AVENUE, SUITE 300 TOLEDO, OHIO 43604 (419) 936-2163	SPECTRUM 105 S. THIRD ST. P.O. BOX 170 WATERVILLE, OHIO 43566 (419) 828-3939
LUCAS COUNTY SANITARY ENGINEER 1111 S. MCCORD ROAD HOLLAND, OH. 43528 (419) 213-2926	BUCKEYE BROADBAND 2700 OREGON ROAD NORTHWOOD, OHIO 43619 (419) 724-3713	AT & T 130 N. ERIE ST. RM. 714 TOLEDO, OHIO 43624 (419) 245-7304
LUCAS COUNTY ENGINEER 1049 S. MCCORD ROAD HOLLAND, OH. 43528 (419) 213-2860	OHIO GAS COMPANY 200 W. HIGH ST. P.O. BOX 528 BRYAN, OHIO 43506 (419) 636-1117	ANR PIPELINE CO. 6357 N. STATE ROUTE 66 DEFIANCE, OHIO 43512 (419) 782-5146
OHIO UTILITIES PROTECTION AGENCY 1-800-362-2764		

EXISTING BENCHMARKS, MONUMENTS AND CONTROL POINTS

EXISTING SURVEY MONUMENTS, BENCH MARKS, PROPERTY CORNER POINTS AND CONTROL POINTS DAMAGED OR DISTURBED BY CONSTRUCTION WILL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR. SHOULD THE CONTRACTOR FAIL TO PROPERLY REPLACE THESE POINTS, THE LUCAS COUNTY ENGINEER SHALL REPLACE THESE POINTS AT THE CONTRACTORS EXPENSE, AFTER THREE (3) WEEKS NOTICE. THE CONTRACTOR IS TO NOTIFY THE LUCAS COUNTY ENGINEER OF ANY ANTICIPATED CONFLICTS.

STAKING RESPONSIBILITY

THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PRESERVATION OF INITIAL STAKEOUT WORK ORDERED AND _____ IS NOT RESPONSIBLE FOR DISTURBED STAKING OR RESTAKING OF INITIAL STAKEOUT WORK ORDERED. _____ WILL BE GIVEN SEVEN (7) DAYS NOTICE FOR ALL STAKEOUT WORK ORDERED.

EXISTING STORM DRAINAGE

BEFORE STARTING WORK, A REPRESENTATIVE OF THE LUCAS COUNTY ENGINEERS OFFICE AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING STORM SEWERS AND DRAINS WITHIN THE WORK LIMITS. A RECORD OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE LUCAS COUNTY ENGINEER. WHERE CONSTRUCTION CROSSES AN EXISTING DRAINAGE DITCH OR FOLLOWS THE COURSE OF SUCH DITCH, THE CONTRACTOR MAY DIVERT THE FLOW OF DRAINAGE WATER TEMPORARILY AT HIS OWN COST AND EXPENSE WITH THE APPROVAL OF THE LUCAS COUNTY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY APPROVALS FROM AFFECTED PARTIES FOR SUCH DIVERSIONS BEFORE COMMENCING SUCH WORK. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED, UPON COMPLETION OF THE WORK, TO THE SATISFACTION OF THE LUCAS COUNTY ENGINEER, AT NO COST TO THE COUNTY, INCLUDING THE REGRADING OF DITCHES AND SWALES TO DRAIN PROPERLY. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN STORM SEWER FLOWS AT ALL TIME AND SHALL PROMPTLY REPLACE IN KIND ANY STORM SEWERS DISTURBED BY CONSTRUCTION TO THE SATISFACTION OF THE LUCAS COUNTY ENGINEER. THE COST OF MAKING INSPECTIONS AND ANY REPAIRING OR CORRECTING OF SEWERS AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM.

BACKFILL

PIPE WITHIN FIVE (5) FEET OF THE EDGE OR BACK OF CURB OF EXISTING OR PROPOSED PAVEMENT AND PAVED BERMS AND UNDER THE EXISTING OR PROPOSED PAVEMENT AND PAVED BERMS SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO THE SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 611.06 AND ITEM 703.11, TYPE 1 (ITEM 304), OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE LUCAS COUNTY ENGINEER RESERVES THE RIGHT TO ORDER COMPACTION TESTS IF THE LUCAS COUNTY ENGINEER DEEMS NECESSARY. PIPE OUTSIDE THE LIMITS OF FIVE (5) FEET FROM THE EDGE OR BACK OF CURB OF THE EXISTING OR PROPOSED PAVEMENT AND PAVED BERMS MAY BE FILLED WITH SUITABLE EXCAVATED MATERIAL. PLACE AT LEAST 8" OF GRANULAR BACKFILL 703.11, TYPE 1 (ITEM 304) ON TOP OF PIPE BEDDING TO PREVENT PIPING IF THE BEDDING MATERIAL IS 703.11, TYPE 3.

STORM SEWER ACCEPTANCE

PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LUCAS COUNTY ENGINEER, ALL STORM SEWERS INSTALLED OR REPAIRED SHALL BE THOROUGHLY CLEANED AND FLUSHED WITH WATER. ALL NEW INLETS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED

BY THE LUCAS COUNTY ENGINEER.

ITEM 204 - SUBGRADE COMPACTION, AS PER PLAN

IN LIEU OF THE REQUIREMENTS OF ITEM 204.06, THE PROOF ROLLING SHALL BE PERFORMED ON AREAS AS DIRECTED BY THE ENGINEER AS DESCRIBED BELOW:

EQUIPMENT: TANDEM AXLE DUMP TRUNK LOADED IN SUCH A MANNER THAT THE REAR AXLES WEIGHT IN EXCESS OF 32,000 POUNDS SHALL BE USED FOR THE PROOF ROLLING. THE CONTRACTOR SHALL FURNISH, UPON REQUEST, A WEIGHT SLIP SHOWING THE WEIGHT OF THE REAR AXLES.

PROCEDURE: THE DESIGNATED AREAS AT SUBGRADE PRIOR TO PLACING THE OVERLYING PAVEMENT LAYER, SHALL BE COMPACTED TO 100% OF STANDARD PROCTOR. THE TRUCK SHALL THEN BE DRIVEN OVER THE SUBGRADE WHERE DIRECTED BY THE ENGINEER. THE EQUIPMENT SHALL OPERATE AT A CONSTANT SPEED BETWEEN 2 1/2 AND 5 MILES PER HOUR. IF THE OPERATION OF THE TRUCK SHOWS THE SUBGRADE TO BE UNSTABLE OR TO HAVE NON-UNIFORM STABILITY, THE CONTRACTOR SHALL CORRECT THE UNSTABLE AREA IN ACCORDANCE WITH THE PROVISIONS OF 204.04 SO THAT THE STABILITY OF THE SUBGRADE IS UNIFORM AND SATISFACTORY. THE REWORKED AREA SHALL THEN BE RETESTED. IF THE RETESTING SHOWS THESE AREAS ARE UNSTABLE, AND IN THE OPINION OF THE CONSTRUCTION ENGINEER, ADDITIONAL COMPACTION WILL NOT STABILIZE THESE AREAS, A FIELD CBR TEST SHALL BE PERFORMED. THE RESULTS OF THE CBR TEST WILL BE COMPARED WITH THE DESIGN CBR VALUE AND THE NEED FOR A SUBBASE WILL BE EVALUATED. THE THICKNESS AND THE MATERIAL USED FOR THE SUBBASE SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF ANY MATERIAL.

PAYMENT: THE QUANTITY FOR PROOF ROLLING SHALL BE DETERMINED AS DESCRIBED IN 204.08. PAYMENT FOR THE ACCEPTED QUANTITIES SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 204, SUBGRADE COMPACTION, AS PER PLAN.

NOTE THAT PROOF ROLLING IS REQUIRED IN ADDITION TO NORMAL SUBGRADE COMPACTION OPERATIONS AND SUBGRADE COMPACTION TESTING.

PIPE JOINTS

CONCRETE PIPE JOINTS SHALL BE PREMIUM JOINTS AND MEET THE REQUIREMENTS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, ITEM 706.11 (ASTM C-443).

ROOF DRAINS

ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.

STORM TAPS

ALL LOT DRAIN CONNECTIONS SHALL BE INSTALLED AT THE GRADE SHOWN. THE TOP OF THE PIPE SHALL MEET IN ELEVATION THE TOP OF THE OUTLET PIPE AT CONNECTIONS INTO MANHOLES OR CATCH BASINS UNLESS OTHERWISE SHOWN. ALL TAPS SHALL BE PROPERLY PLUGGED WITH COST OF LABOR AND MATERIALS FOR INSTALLATION INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE PIPE ITEM. ALL PLUGS ARE TO BE PAINTED BLACK. O.D.O.T. 707.45 PIPE MATERIAL SHALL BE USED FOR LOT TAPS.

PIPE SPECIALS

QUANTITIES FOR PIPE BENDS, TEES, WYES AND OTHER FITTINGS ARE LISTED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR. THE UNIT PRICE BID FOR THE PIPE SHALL INCLUDE ALL NECESSARY FITTINGS. ALL PIPE SPECIALS SHALL BE FACTORY MADE. ALL STORM TAP CONNECTIONS TO CONCRETE PIPE SHALL BE CORED AND ATTACHED WITH BOOT ASSEMBLIES (KOR-N-TEE OR INSERT-A-TEE ASSEMBLIES).

CATCH BASINS AND MANHOLES

UNLESS OTHERWISE NOTED, ALL CATCH BASINS AND MANHOLES ARE TO BE CONSTRUCTED WITHOUT SUMPS OR TRAPS, AND SHALL BE ALL PRECAST CONCRETE WITH RUBBER SEAL JOINTS.

ODOT MANHOLE NO. 3, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE THE NO. 3 MANHOLE IN ACCORDANCE WITH ODOT STANDARD DRAWINGS MH-1 AND MH-3, EXCEPT THAT THE CASTING SHALL BE OF THE HEAVY DUTY TYPE ONLY AND THE TOP PROVIDED SHALL BE OF THE ECCENTRIC TYPE, UNLESS OTHERWISE SPECIFIED.

MANHOLE RIM ELEVATIONS

WHEN MANHOLES ARE LOCATED WITHIN THE PAVEMENT, THE UPPERMOST SURFACE OF THE FRAME OR COVER SHALL BE 1/4 INCH BELOW THE PAVEMENT SURFACE. WHEN MANHOLES ARE LOCATED OUTSIDE THE PAVEMENT, THE TOP SHALL BE SET AT THE FINISH GROUND GRADE. MANHOLES SHALL BE CONSTRUCTED USING 6" OF ADJUSTING RINGS.

RESTORATION OF RIGHT OF WAY

ALL EXISTING FEATURES IN EXISTING COUNTY OR TOWNSHIP RIGHTS OF WAY THAT ARE DISTURBED DUE TO CONSTRUCTION, SUCH AS: MAILBOXES, SHRUBS, BUSHES, GUARDRAIL, DRIVEWAYS, SWALES, SEWERS, CATCH BASINS, BERMS, SEEDED AREAS, ETC. SHALL BE REPLACED TO THEIR ORIGINAL CONDITION IN ACCORDANCE WITH CURRENT ODOT SPECIFICATIONS, ITEM 107.10 AND TO THE SATISFACTION OF THE LUCAS COUNTY ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT ITEM.

SEEDING AND MULCHING

PERMANENT SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659 CLASS 1. PERMANENT SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, REAR YARD SWALES AND ALL DISTURBED AREAS WITHIN EXISTING COUNTY AND TOWNSHIP RIGHTS OF WAY.

REAR YARD DRAINAGE SWALES

REAR YARD DRAINAGE SWALES SHALL BE GRADED AT THE TIME REAR YARD CATCH BASINS AND STORM SEWERS ARE CONSTRUCTED. SWALES SHALL BE SEEDED, MULCHED AND FERTILIZED AS SOON AS WEATHER PERMITS. TEMPORARY INLET PROTECTION FILTER FABRIC FENCE SHALL BE PLACED AROUND ALL REAR YARD CATCH BASINS.

PIPE ADAPTER

FIELD CONNECTIONS OF DIFFERENT TYPE JOINTS (FOR TONGUE AND GROOVE TO BELL AND SPIGOT) WILL NOT BE ALLOWED. WHERE SUCH CONNECTIONS ARE REQUIRED, A SPECIAL LENGTH OF PIPE WITH A TONGUE AND GROOVE TYPE JOINT ON ONE END AND A BELL AND SPIGOT TYPE JOINT ON THE OTHER END SHALL BE USED.

MAINTENANCE OF TRAFFIC

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON DEDICATED ROADS. IF CONSTRUCTION ALONG DEDICATED ROADS INTERFERES WITH TRAFFIC, IN THE OPINION OF THE LUCAS COUNTY ENGINEER, THEN TWO FLAGMEN SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH ODOT STD. DWG. MT-97.10. ALL BARRICADES, SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF ODOT SPECIFICATIONS, ITEM 614, MAINTAINING TRAFFIC AND THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".

COMPACTION

COMPACTION OF EMBANKMENT AND PAVEMENT SUBGRADE AREAS SHALL BE AT LEAST 100% AS DETERMINED BY THE STANDARD PROCTOR TEST.

CLEARING AND GRUBBING

THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, SHALL BE CONSIDERED FULL PAYMENT FOR THE REMOVAL AND DISPOSAL OF ALL BRUSH, TREES AND STUMPS NECESSARY TO CONSTRUCT ALL ITEMS AS SHOWN ON THE PAVING, SANITARY AND WATERLINE PLANS. REMOVAL OF TREES OUTSIDE THE ROADWAY OR WORK LIMITS WILL NOT BE REQUIRED FOR SITE GRADING. INDIVIDUAL TREES HAVE NOT BEEN SHOWN ON THE PLANS, ONLY GENERAL LIMITS OF WOODED AREAS, AND THE CONTRACTOR SHALL INSPECT THE SITE BEFORE BIDDING THIS ITEM. THE LUCAS COUNTY ENGINEERS OFFICE WILL NOT BE RESPONSIBLE FOR SPECIFYING WHICH BRUSH, TREES AND STUMPS ARE TO BE REMOVED.

INCIDENTALS

PRICE BID FOR THE PERTINENT CONDUIT ITEMS SHALL INCLUDE ALL WORK AND MATERIALS NOT INCLUDED IN THE QUANTITIES BUT NECESSARY TO COMPLETE THE PROJECT IN A WORKMANLIKE MANNER INCLUDING, BUT NOT LIMITED TO, BACKFILL AND BEDDING MATERIAL, PAVEMENT REPLACEMENT, PIPE SPECIALS, TRAFFIC CONTROL, ETC.

HAUL ROUTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MUD, DIRT OR DEBRIS DEPOSITED ON HAUL ROADS AS A RESULT OF HIS OPERATIONS. CLEANUP OPERATIONS SHALL BE AS DIRECTED BY THE LUCAS COUNTY ENGINEER. THE COST OF ROAD CLEANUP SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM. CONSTRUCTION VEHICLES SHALL UTILIZE THE CONSTRUCTION ENTRANCE FROM _____ ROAD.

UNDERDRAINS

UNDERDRAINS HAVE BEEN DESIGNATED FOR ALL STREETS IN THE PROJECT, BUT MAY NOT BE REQUIRED. A MINIMUM LENGTH OF 100 FEET OF 6" UNDERDRAINS AND 6 FEET OF 6" CONDUIT, TYPE F, IN EACH DIRECTION WILL BE REQUIRED FOR ALL CATCH BASINS IN SUMPS. FOR CATCH BASINS IN CONTINUOUS GRADES 100 FEET OF 6" UNDERDRAINS AND 6 FEET OF 6" CONDUIT, TYPE F WILL BE REQUIRED IN ONE DIRECTION. ADDITIONAL UNDERDRAINS WILL BE PLACED AS DIRECTED BY THE LUCAS COUNTY ENGINEER.

SUBGRADE IMPROVEMENT, UNDERCUT & BACKFILL WITH STONE

CONTINGENCY OF 135 CUBIC YARDS OF SUBGRADE IMPROVEMENT HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE LUCAS COUNTY ENGINEER BASED ON FIELD CONDITIONS. A MINIMUM UNDERCUT SHALL BE 6". ACCEPTABLE STONE MATERIALS WILL BE NUMBER 1 AND NUMBER 2 SIZE AGGREGATE AND ITEM 304 - AGGREGATE BASE. COMPACTION SHALL BE EQUAL TO OR EXCEEDING 95% OF MAXIMUM MODIFIED PROCTOR DRY UNIT WEIGHT (ASTM D-1557).

SUBDIVISION IMPROVEMENT MAINTENANCE BOND

PRIOR TO THE DATE OF FINAL ACCEPTANCE OF THE STORM DRAINAGE, ROADWAY AND PAVEMENT IMPROVEMENTS BY LUCAS COUNTY AND THE PLACEMENT OF SAID IMPROVEMENTS ON THE PUBLIC ROAD SYSTEM, THE CONTRACTOR SHALL FURNISH A SUBDIVISION IMPROVEMENT MAINTENANCE BOND TO LUCAS COUNTY. THE BOND SHALL BE FOR A TWO (2) YEAR PERIOD IN THE AMOUNT OF TWENTY-FIVE (25%) PERCENT OF THE COST OF THE IMPROVEMENTS. THE COST OF THE MAINTENANCE BOND SHALL BE INCLUDED IN THE CONTRACTOR'S BID UNDER ITEM SPECIAL SUBDIVISION IMPROVEMENT MAINTENANCE BOND.

INSURANCE

NO CONTRACTOR OR SUBCONTRACTOR SHALL START ANY WORK UNTIL THE APPROVED CERTIFICATE OF LIABILITY INSURANCE IS FILED WITH LUCAS COUNTY NAMING LUCAS COUNTY AS THE INSURED.

CONTINGENCY QUANTITIES

WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL NOT BE PERFORMED UNLESS AUTHORIZED BY THE ENGINEER. ALTHOUGH THE CONTRACTOR MAY CHOOSE TO ORDER AND/OR PURCHASE SOME OR ALL OF THE ITEMS FOR HIS CONVENIENCE, ONLY THOSE ITEMS ACTUALLY PLACED AT THE DIRECTION OF THE ENGINEER SHALL BE INCLUDED FOR PAYMENT. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED SHALL BE BASED UPON FINAL FIELD MEASUREMENT.

EXCAVATION, AS PER PLAN AND EMBANKMENT, AS PER PLAN

THE PRICE BID FOR ITEM 203, EXCAVATION, AS PER PLAN AND EMBANKMENT, AS PER PLAN SHALL BE FULL COMPENSATION TO SUCCESSFULLY COMPLETE ALL EXCAVATION AND EMBANKMENT OPERATIONS AS INDICATED ON THE SITE GRADING PLAN AND BY THE PLAN CROSS SECTIONS. THE CONTRACTOR SHALL ACCEPT THE PLAN QUANTITIES AS DETERMINED BY THE ENGINEER FOR PAYMENT. THE BURDEN OF PROOF FOR A PLAN QUANTITY DISCREPANCY SHALL BE ON THE CONTRACTOR.

THE EXCAVATED ON-SITE SOILS THAT ARE FREE OF ORGANIC MATTER, EXCESSIVE MOISTURE, ROCK OR STONE FRAGMENTS LARGER THAN THREE INCHES IN DIAMETER AND DEBRIS MAY BE USED AS FILL MATERIAL. FILL MATERIAL SHOULD NOT BE FROZEN NOR BE PLACED ON A FROZEN BASE. THE FILL MATERIAL REQUIRED TO ACHIEVE THE DESIGN ELEVATIONS SHOULD BE PLACED IN UNIFORM LOOSE LAYERS OF NOT MORE THAN EIGHT (8) INCHES IN THICKNESS. COMPACTION OF EMBANKMENT AREAS SHALL BE AT LEAST 100% AS DETERMINED BY THE STANDARD PROCTOR TEST. SUITABLE EMBANKMENT MATERIALS ALSO INCLUDE ODOT ITEM 703.11 TYPE 1.

**ITEM 441, ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (448) PG64-22, AS PER PLAN
ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (448), AS PER PLAN**

ITEM 441 OF THE CURRENT ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SHALL APPLY EXCEPT AS HEREIN MODIFIED:

441.14 - BASIS OF PAYMENT, FUNDS REMAINING FROM THE PAYMENT OF ANY QUANTITIES WITH PAY FACTORS LESS THAN 1.0 SHALL BE DUE TO THE MAINTAINING AGENCY PRIOR TO STREET ACCEPTANCE BY THAT AGENCY AS COMPENSATION FOR PROBABLE EARLY MAINTENANCE OF THE DEFICIENT PAVEMENT.

ODOT NO. 2-2B & NO. 2-3 CATCH BASIN, AS PER PLAN

THE CATCH BASINS SHALL BE PROVIDED WITH SINUSOIDAL GRATES - EAST JORDAN 5110 TYPE M3 OR NEENAH R-4859-S.

ODOT NO. 2-4 CATCH BASIN, MODIFIED

ODOT NO. 2-4 CATCH BASIN SHALL BE MODIFIED TO FIT NEENAH R-1754-A MANHOLE FRAME, SOLID LID.

DETECTABLE WARNING, AS PER PLAN

DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT ODOT STANDARD ROADWAY CONSTRUCTION DRAWING, BP-7.1, EXCEPT THAT THE DETECTABLE WARNINGS MATERIAL SHALL BE DESIGNED AS A ONE TIME INSTALLATION PRODUCT OF THE CAST-IN-PLACE TYPE ONLY. DETECTABLE WARNINGS MATERIAL PRODUCTS DESIGNED AS REPLACEABLE WILL NOT BE PERMITTED.

IN ADDITION TO THE REQUIREMENTS OF ITEM 608, DETECTABLE WARNING, AS PER PLAN, THE WALK SHALL BE CONSTRUCTED USING A MINIMUM CONCRETE THICKNESS OF 6 INCHES. FOR LOCATIONS WHERE THE CONTIGUOUS CONCRETE WALK IS GREATER THAN 6 INCHES THICK, THE CURB RAMP CONCRETE THICKNESS SHALL MATCH THE THICKNESS OF THE CONTIGUOUS CONCRETE WALK.

ITEM 611 DRAINAGE STRUCTURES

ALL SECTIONS OF ITEM 611.14, DRAINAGE STRUCTURE EVALUATION, ARE NOT APPLICABLE. THE PERFORMANCE INSPECTION ON THE DRAINAGE STRUCTURES SPECIFIED IN ITEM 611.12 IS NOT REQUIRED. ALL SECTIONS OF ITEM 611.04 SUBMITTALS, PERTAINING TO THE DRAINAGE STRUCTURE INSTALLATION PLAN AND CONSTRUCTION INSPECTION FORMS, ARE REQUIRED TO BE COMPLETED AS SPECIFIED.

SS 832 - TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THIS SUPPLEMENTAL SPECIFICATION IS HEREBY MODIFIED TO NOT REQUIRE THE USE OF USE OF THE STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE. THE FOLLOWING SECTIONS ARE MODIFIED AS INDICATED:

832.09 - SUBMIT INITIAL AND REVISED SWPPP IN A VECTOR BASED PDF FILE FORMAT VIA EMAIL OR FILE SHARING SERVICE IN LIEU OF SWPPPTRACK SOFTWARE WEB PLATFORM. FORMAT OF REQUIRED TABLES CONSISTENT WITH SWPPPTRACK SOFTWARE IS NOT REQUIRED.

832.11- PERFORM REQUIRED INSPECTIONS UTILIZING THE CURRENT OHIO EPA "CONSTRUCTION SITE INSPECTION CHECKLIST FOR OH000005" AS PUBLISHED ON THE OHIO EPA WEBSITE, IN LIEU OF THE SWPPPTRACK SOFTWARE. PHOTOS OF DEFICIENT BMPS SHALL BE PROVIDED WITH THE INSPECTION REPORTS.

832.12 - DELETE REFERENCES REQUIRING USE OF SWPPPTRACK INSPECTION SOFTWARE AND REPLACE WITH INSPECTION REPORTS. DELETE PAY ITEM FOR SWPPP INSPECTION SOFTWARE AND REQUIRED PURCHASE OF SWPPPTRACK SOFTWARE APPLICATION.

832.13 & 832.14- DELETE REFERENCES TO STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE PAY ITEM.

THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS IDENTIFIED IN THE APPROVED CONTRACTOR PROVIDED STORM WATER POLLUTION PREVENTION PLAN AND AS PROVIDED FOR IN SUPPLEMENTAL SPECIFICATION 832. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEMS IDENTIFIED IN THE GENERAL SUMMARY.

ODOT ITEM 630-GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN THIS ITEM SHALL BE IN ACCORDANCE WITH ODOT ITEM 630 EXCEPT THAT THE MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH LUCAS COUNTY STANDARD DRAWING TR-4 YIELDING POST.

DESIGNED BY:
DRAWN BY:



ITEM 608 - CURB RAMP, AS PER PLAN

CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT ODOT STANDARD ROADWAY CONSTRUCTION DRAWING, BP - 7.1, EXCEPT THAT THE DETECTABLE WARNINGS MATERIAL SHALL BE DESIGNED AS ONE TIME INSTALLATION PRODUCTS OF THE CAST-IN-PLACE TYPE ONLY. DETECTABLE WARNINGS MATERIAL PRODUCTS DESIGNED AS REPLACEABLE, WILL NOT BE PERMITTED.

IN ADDITION TO THE REQUIREMENTS OF ITEM 608, CURB RAMPS SHALL BE CONSTRUCTED USING A MINIMUM CONCRETE THICKNESS OF 6 INCHES. FOR LOCATIONS WHERE THE CONTIGUOUS CONCRETE WALK IS GREATER THAN 6 INCHES THICK, THE CURB RAMP CONCRETE THICKNESS SHALL MATCH THE THICKNESS OF THE CONTIGUOUS CONCRETE WALK.

STREET NAME SIGNS

1. UPON SUBMISSION OF THE FINAL PLAT FOR THE SUBDIVISION, STREET NAME SIGNS WILL BE DESIGNED BY THE COUNTY ENGINEER.
2. THE COUNTY ENGINEER'S OFFICE WILL PROVIDE THE SIGN DESIGN FILES TO THE CONTRACTOR OR HIS SUPPLIER AND THEY WILL BE REQUIRED TO FABRICATE THE SIGNS IN ACCORDANCE WITH THE DESIGN FILES AND COUNTY STANDARDS.
3. THE SUBDIVISION CONSTRUCTOR OR SUBCONTRACTOR WILL THEN BE REQUIRED TO INSTALL THE SIGNS AND ALL OTHER TRAFFIC SIGNING AS SHOWN ON THE APPROVED SIGNING PLAN IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDED THEREIN. IF THE PERMANENT STREET NAME SIGNS ARE NOT INSTALLED PRIOR TO THE ROAD BEING PASSABLE BY VEHICLES, TEMPORARY SIGNING SHALL BE INSTALLED IN ORDER TO MEET REQUIREMENTS OF THE OHIO FIRE CODE SECTION 505.
4. THE INSTALLED SIGNING WILL BE REQUIRED TO BE MAINTAINED BY THE DEVELOPER AND/OR HIS CONTRACTOR UNTIL THE ROAD IMPROVEMENTS HAVE BEEN ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS AND PLACED ON THE TOWNSHIP ROAD SYSTEM FOR MAINTENANCE.

DESIGNED BY:

DRAWN BY:

