



**GENERAL NOTES:**

- CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE STANDARD SPECIFICATION WILL ALWAYS DECIDE BY THE CITY ENGINEER. NUMBERED REFERENCES TO CITY OF COLUMBUS ITEM NUMBERS UNLESS OTHERWISE NOTED.
- THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SCHEDULES OF THE WORK DESCRIBED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.
- THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS INCLUDING BUT NOT LIMITED TO OHIO EAP PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALIWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK INCLUDING THE REQUIREMENTS FOR CONTINUED SPACES PER 29 OTC 1910.146.
- FOLLOWING COMPLETION OF CONSTRUCTION OF THE SITE IMPROVEMENTS AND BEFORE REQUESTING OCCUPANCY, A PROOF SURVEY SHALL BE PROVIDED TO THE DIVISION OF ENGINEERING THAT DOCUMENTS "AS-BUILT" ELEVATIONS, DIMENSIONS, SLOPES AND ALIGNMENTS OF ALL ELEMENTS OF THIS PROJECT. THE PROOF SURVEY SHALL BE PREPARED, SIGNED AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTION DRAWINGS.
- THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS DESIGNATED FOR CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND RECONSTRUCTING SUCH MARKERS PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.
- NON-RUBBER Tired VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION.
- TRACKING OR SPILLING MUD, DIRT OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 92.38 OF THE DUBLIN CODE OF ORDINANCES. IF SUCH OCCURRENCE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN UP THE CITY. IF THE CONTRACTOR FAILS TO REMOVE MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY WILL CLEANSE THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.
- ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL FIELD THE BROKEN OR ENCOUNTERED DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION WAS CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE USED FOR INSTALLATION.
- BACKFILL WITH A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, BIKE PATHS, ETC.) SHALL BE COMPACTED MANHOLE BACKFILL SHALL BE COMPACTED TO THE STANDARD SPECIFICATIONS OR FLOWABLE CDF, TYPE III ACCORDING TO ITEM 636, ITEM 911 OF THE STANDARD SPECIFICATIONS SHALL BE USED ELSEWHERE.
- CONTRACTOR OF THE APPROVED CONSTRUCTION DRAWINGS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION. SEND THE INFORMATION TO THE FOLLOWING ADDRESS:  
CONSTRUCTION INSPECTION DIVISION  
CITY OF COLUMBUS  
1800 EAST 17TH AVENUE  
COLUMBUS, OHIO 43219
- SEND A COPY OF THE TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS:  
DIVISION OF ENGINEERING  
CITY OF DUBLIN  
5800 SHER RINGS ROAD  
DUBLIN, OHIO 43016
- ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.
- ALL TREES WITHIN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM 15 FEET FROM THE TREE TRUNK. TREES 6 INCHES OR GREATER AT DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREES NOT INDICATED ON THE APPROVED CONSTRUCTION DRAWINGS FOR REMOVAL MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE DIVISION OF ENGINEERING.
- CONDUIT MUST BE DIRECTIONALLY BORED ACROSS STREETS INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED. ALL CONDUIT SHALL BE INSTALLED IN TRENCHES. IF EXISTING STREETS MUST BE OBTAINED FROM THE CITY OF DUBLIN DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, CONTROLLED DENSITY BACKFILL (TYPE III) SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL, ACCORDING TO ITEM 636 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.
- PAVEMENT SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT OR AS REQUIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441 DR, A AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS, HANDICAPPED RAMPS, SIDEWALKS, BIKE PATHS, PARKING LOT PAVEMENT, ETC. SHALL BE PROVIDED IN ACCORDANCE WITH CONSTRUCTION DRAWINGS AND CITY OF DUBLIN STANDARD CONSTRUCTION DRAWINGS.
- TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ARBORIST AT THE COMPLETION OF THIS PROJECT. THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN BRANCHES AS NEEDED.
- ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER, CITY OF DUBLIN.

- ALL INLETS SHALL BE CHANNELIZED.
- PAVED AREAS SHALL BE FINE-GRADED AND SEEDED WITH THE FOLLOWING MIXTURE:  
IMPROVED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)  
IMPROVED RENOVUARY RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)  
GERMINATION RATE: 85%  
APPLICATION RATE: 2 LBS PER 1000 SQ. FT. OR AS DIRECTED BY THE DIVISION OF PARKS AND RECREATION, CITY OF DUBLIN, OHIO.
- TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE 5 WITH A SQUARE POST AND A SIGN SUPPORT. SIGN INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41-20 AND APPLICABLE CITY OF DUBLIN SPECIFICATIONS.
- STREET SIGNS SHALL MEET ALL CITY OF DUBLIN SPECIFICATIONS WITH LETTERING PROVIDED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH THE TYPE 5, SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41-20.

**UTILITIES**

- THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:  
UTILITY: OWNER: TELEPHONE:  
FIRE HYDRANTS & SEWERS: CITY OF DUBLIN (DIVISION OF WATER) (614) 410-4600  
DUBLIN SHER-RINGS ROAD (DIVISION OF WATER) (614) 410-4600  
COLUMBUS GAS OF OHIO (614) 460-2079  
COLUMBUS GAS OF OHIO (614) 460-2079  
WARNER CABLE (614) 481-5000  
100 COLUMBIAN ROAD (614) 481-5000  
AMERITECH (614) 223-8262  
150 E. GAY ST., ROOM 6C  
AMERICAN ELECTRIC POWER (614) 464-7253  
COLUMBUS DIVISION  
100 COLUMBIAN ROAD (614) 464-7253

THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800-382-2784), PRODUCER'S UNDERGROUND PROTECTION SERVICE (TELEPHONE NUMBER 614-587-0486), AND TO OWNERS OF UNDERGROUND UTILITIES WHO ARE MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS BEFORE START OF CONSTRUCTION.

- THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE, CAUSED BY THE CONTRACTOR, IS CAUSED BY THE CONTRACTOR FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.
- LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER.
- PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE DIVISION OF PUBLIC DIVISION OF ENGINEERING AT 410-4637, TWO DAYS PRIOR TO BEGINNING WORK.

**EROSION AND SEDIMENT CONTROL**

- THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT (NOI) TO BE REVIEWED AND APPROVED BY THE OHIO EPA. THE NOI MUST BE SUBMITTED 30 DAYS PRIOR TO THE START OF CONSTRUCTION. OHIO EPA MAY ENFORCE ENFORCEMENT UNDER THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION. A PROJECT LOCATION MAP MUST BE SUBMITTED WITH THE NOI. A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL. IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS, THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA, ITEM 907 OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND THE CITY ENGINEER. AN INDIVIDUAL NPDES STORMWATER DISCHARGE PERMIT MAY BE REQUIRED. THE CONTRACTOR SHALL BE CONSIDERED THE PERMITTEE.
- THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS.
- ACCEPTED METHODS OF PREVENTING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT BASINS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDING OR PROTECTED WITHIN SEVEN CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MONITORING, MAINTENANCE, REPAIR, AND REMOVAL OF CONSTRUCTION CONTROLS THAT ARE NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

**BLASTING (IF PERMITTED)**

- THE CONTRACTOR MUST OBTAIN A BLASTING PERMIT FROM WASHINGTON TOWNSHIP FIRE DEPARTMENT PRIOR TO BLASTING. THE CONTRACTOR SHALL SUBMIT BLASTING REPORTS UPON COMPLETION OF BLASTING TO THE CITY ENGINEER, THE OWNER, AND THE OWNER'S SUPERVISOR. TOP OF ROCK ELEVATIONS SHALL BE SHOWN ON "AS-BUILT" CONSTRUCTION DRAWINGS.

**WATER LINE**

- ALL WATER LINE MATERIALS SHALL BE PROVIDED AND INSTALLED ACCORDING TO CURRENT SPECIFICATIONS OF THE CITY OF COLUMBUS DIVISION OF WATER.
- ALL PUBLIC WATER PIPE WITH A DIAMETER 3 INCHES TO 8 INCHES SHALL BE DUCTILE IRON, CLASS 53. PUBLIC WATER PIPE 12 INCHES IN DIAMETER OR LARGER SHALL BE DUCTILE IRON, CLASS 54. PUBLIC WATER PIPE 20 INCHES IN DIAMETER OR LARGER MAY BE PRESTRESSED CONCRETE PIPE. PRIVATE WATER PIPES SHALL MEET THE APPROVAL OF THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO APPROVAL OF THE CONSTRUCTION DRAWINGS.
- ONLY FIRE HYDRANTS CONFORMING TO CITY OF COLUMBUS STANDARDS WILL BE APPROVED FOR USE.
- PUBLIC WATER LINES SHALL BE DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER. REQUESTS FOR WATER WORKS SHALL BE SUBMITTED THROUGH THE CITY OF DUBLIN DIVISION OF ENGINEERING. THE COST FOR CHLORINATION SHALL BE PAID FOR BY THE CONTRACTOR.
- ALL WATER LINES SHALL BE DISINFECTED ACCORDING TO ITEM 801.13 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS OF AMERICAN WATER WORKS ASSOCIATION (AWWA) C900, C905, C900.1, C900.2, C900.3, C900.4, C900.5, C900.6, C900.7, C900.8, C900.9, C900.10, C900.11, C900.12, C900.13, C900.14, C900.15, C900.16, C900.17, C900.18, C900.19, C900.20, C900.21, C900.22, C900.23, C900.24, C900.25, C900.26, C900.27, C900.28, C900.29, C900.30, C900.31, C900.32, C900.33, C900.34, C900.35, C900.36, C900.37, C900.38, C900.39, C900.40, C900.41, C900.42, C900.43, C900.44, C900.45, C900.46, C900.47, C900.48, C900.49, C900.50, C900.51, C900.52, C900.53, C900.54, C900.55, C900.56, C900.57, C900.58, C900.59, C900.60, C900.61, C900.62, C900.63, C900.64, C900.65, C900.66, C900.67, C900.68, C900.69, C900.70, C900.71, C900.72, C900.73, C900.74, C900.75, C900.76, C900.77, C900.78, C900.79, C900.80, C900.81, C900.82, C900.83, C900.84, C900.85, C900.86, C900.87, C900.88, C900.89, C900.90, C900.91, C900.92, C900.93, C900.94, C900.95, C900.96, C900.97, C900.98, C900.99, C900.100.

- WHEN WATER LINES ARE READY FOR DISINFECTION, THE CITY OF DUBLIN SHALL SUBMIT TWO (2) SETS OF "AS-BUILT" PLANS, AND A LETTER STATING THAT THE WATER LINES HAVE BEEN DISINFECTED BY THE CITY ENGINEER. MOST OF EACH WORK ORDER SHALL BE THE CITY OF COLUMBUS DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISINFECTION OF WATER LINES CONSTRUCTION. THE AS-BUILT PLAN, AND A LETTER STATING THAT THE WATER LINES CONSTRUCTION HAS BEEN COMPLETED, SHALL BE SUBMITTED TO THE CITY OF COLUMBUS DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- THE CONTRACTOR SHALL PAINT ALL FIRE HYDRANTS ACCORDING TO CITY OF DUBLIN STANDARD DRAWING 1441 DR, A AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE CONTRACT UNIT PRICE FOR FIRE HYDRANTS.
- NO WATER TAPS OR SERVICE CONNECTIONS (E.G., TO CURB STOPS OR METER PITS) MAY BE INSTALLED WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER. ALL WATER TAPS OR SERVICE CONNECTIONS (E.G., TO CURB STOPS OR METER PITS) MAY HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER AND HAVE BEEN COVERED BY THE CITY ENGINEER. A TAP POINT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE CITY OF DUBLIN AND THE CITY OF COLUMBUS DIVISION OF WATER BEFORE MAKING ANY TAPS INTO PUBLIC WATER LINES.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DIVISION OF WATER AT 645-7788 AND THE CITY OF DUBLIN DIVISION OF ENGINEERING AT LEAST 24 HOURS BEFORE TAPPING INTO EXISTING WATER LINES.
- ALL WATER MAIN STATIONING SHALL BE BASED ON STREET CENTERLINE STATIONING.
- ALL BENDS, JOINT DEFLECTIONS AND FITTINGS SHALL BE BACKED WITH CONCRETE PER CITY OF COLUMBUS STANDARDS.
- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST 7 WORKING DAYS BUT NOT MORE THAN 3 WORKING DAYS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SERVICE. INTERRUPTION OF WATER SERVICE SHALL BE MINIMIZED AND MUST BE APPROVED BY THE CITY ENGINEER.
- WATER METERS SHALL BE INSTALLED INSIDE PROPOSED STRUCTURES UNLESS A METER SET INSTALLATION IS APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER. METER PITS MUST CONFORM TO STANDARD DRAWINGS L-7103, A&B FOR 5/8" THROUGH 1 1/2" AND C FOR 1 1/2" THROUGH 2" METERS.
- WATER LINES TO BE INSTALLED IN EMBANKMENT AREAS SHALL BE PLACED AFTER THE EMBANKMENT HAS BEEN PLACED AND COMPACTED ACCORDING TO THE STANDARD SPECIFICATIONS.
- CURB STOP BOXES SHALL BE LOCATED AT LEAST 1 FOOT INSIDE THE RIGHT-OF-WAY AND SET AT FINISHED GRADE.
- IF THE TOP OF THE OPERATING UNITS OF ANY VALVE IS GREATER THAN 36 INCHES ABOVE FINISHED GRADE, THE CONTRACTOR SHALL PROVIDE A WALKWAY TO THE TOP OF THE OPERATING UNIT TO WITHIN 24 INCHES OF FINISHED GRADE ELEVATION.
- ALL WATER LINES SHALL BE PLACED AT A MINIMUM DEPTH OF 4 FEET MEASURED FROM TOP OF FINISHED GRADE TO TOP OF OPERATING UNIT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR, DIGGING OR PROPOSED UTILITY LINES OR OTHER UNDERGROUND RESTRICTIONS BY A MINIMUM OF 18 INCHES.
- TWO INCH TAPS SHALL BE INSTALLED WITHIN 2 FEET OF THE END OF THE LINE ON ALL DEAD-END WATER LINES.

**MAIL DELIVERY**

- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT US MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS. THIS RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW THE COMPLETION OF THE WORK AND ALSO INCLUDE THE RELOCATION OF MAILBOXES TO THE WASHINGTON AND/OR KERRY TOWNSHIP FIRE DEPARTMENT. ANY RELOCATION OF MAILBOX SERVICES MUST BE FIRST COORDINATED WITH THE US MAIL SERVICE AND THE CONTRACTOR.
- BEFORE RELOCATING ANY MAILBOXES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE MAILBOXES ACCORDING TO THE REQUIREMENTS OF THE CITY OF DUBLIN DIVISION OF ENGINEERING.

**USE OF FIRE HYDRANTS**

- THE CONTRACTOR SHALL MAKE PROPER ARRANGEMENTS WITH THE DUBLIN FIRE DEPARTMENT AND THE COLUMBUS DIVISION OF WATER FOR THE USE OF FIRE HYDRANTS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A CITY OF DUBLIN A COPY OF THE HYDRANT USAGE PERMIT OBTAINED FROM THE CITY OF COLUMBUS. THE CONTRACTOR SHALL ALSO SEND A COPIES OF PERMITS OBTAINED FROM THE CITY OF DUBLIN AND COLUMBUS TO THE WASHINGTON AND/OR KERRY TOWNSHIP FIRE DEPARTMENT. PERMITS SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
- BEFORE THE FINAL ESTIMATE IS PAID, THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE CITY OF COLUMBUS DIVISION OF WATER TO THE CITY ENGINEER STATING THAT THE CONTRACTOR HAS RETURNED THE DIAPHRAGM VALVE TO THE CITY OF COLUMBUS AND HAS PAID ALL COSTS ARISING FROM THE USE OF THE FIRE HYDRANTS.

**SANITARY SEWERS**

- CONNECTIONS TO THE SANITARY SEWER WILL BE PERMITTED UPON RECEIVING AN OCEA PERMIT TO INSTALL (PTI) AND UPON RECEIVING A SATISFACTORY LETTER FROM THE DESIGN ENGINEER STATING THAT THE PROJECT HAS BEEN CONSTRUCTED AS PER THE PLANS, AND ALL OF THE CONDITIONS OF THE PTI HAVE BEEN MET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING RELEVANT FEES.
- SANITARY SEWER COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS OF THE CITY OF DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTH AND THE CURRENT EDITION OF THE GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD (ITEM STATES) - RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES.
- THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE WITH DIAMETERS 18 INCHES AND SMALLER SHALL BE REINFORCED CONCRETE PIPE ASTM C76 CLASS 3, OR PVC SEWER PIPE ASTM D2034, SDR 35. PIPE FOR 6-INCH DIAMETER HOUSE SERVICE LINES SHALL BE PVC PIPE ASTM D2034, SDR 35. PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET. PIPE MATERIALS AND RELATED STRUCTURES SHALL BE SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.
- THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPES WITH DIAMETERS GREATER THAN 18 INCHES SHALL BE REINFORCED CONCRETE PIPE WITH CLASS DESIGNATION SPECIFIED IN THE APPROVED CONSTRUCTION DRAWINGS.
- ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18-INCH DIAMETER AND SMALLER SHALL BE REINFORCED CONCRETE PIPE WITH ALL REAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.
- GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 636, TYPE III OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.
- ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF-SEALING GASKETS. THE APPROVED CONSTRUCTION DRAWINGS SHALL SHOW WHETHER GASKETS ARE REQUIRED. SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN SANITARY MANHOLE STANDARD DRAWING. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO.
- ALL PVC SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 60 DAYS AFTER INSTALLATION. DEFLECTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF COLUMBUS DIVISION OF WATER. DEFLECTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF COLUMBUS DIVISION OF WATER. DEFLECTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF COLUMBUS DIVISION OF WATER.
- SANITARY BULKHEADS SHALL BE PLACED IN PIPES AT LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. REPAIRS TO SANITARY BULKHEADS IN PERMIT TO INSTALL (PTI) HAS BEEN ISSUED BY THE OCEA AND THE SEWERS HAVE BEEN APPROVED. REPAIRS TO SANITARY BULKHEADS IN PERMIT TO INSTALL (PTI) HAS BEEN ISSUED BY THE OCEA AND THE SEWERS HAVE BEEN APPROVED. REPAIRS TO SANITARY BULKHEADS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR SANITARY SEWER WORK.
- ALL SANITARY SEWERS INCLUDING SANITARY SEWER SERVICE LINES SHALL BE SUBJECT TO AND PASS INFILTRATION OR EXFILTRATION TESTS ACCORDING TO ITEM 801 OF THE STANDARD SPECIFICATIONS. REQUESTS FOR WATER WORKS SHALL BE SUBMITTED THROUGH THE CITY OF DUBLIN DIVISION OF ENGINEERING. BEFORE ANY SERVICE CONNECTIONS ARE TAPPED INTO SEWERS.
- FOR SANITARY SEWER INFILTRATION, LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 GALLONS PER INCH OF TRIBUTARY SEWER DIAMETER PER 24 HOURS PER MILE OF LENGTH OR THE COMPUTED EQUIVALENT. ALL SANITARY SEWERS SHALL BE TESTED.

- AT THE DETERMINATION OF THE CITY ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO PERFORM A TV INSPECTION OF THE SANITARY SEWER SYSTEM PRIOR TO FINAL ACCEPTANCE BY THE CITY. THIS WORK SHALL BE COMPLETED BY THE CONTRACTOR AT HIS EXPENSE.
- VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED ACCORDING TO SECTION 512.2 OF THE DUBLIN CODE OF ORDINANCES.
- ALL WATER LINES SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY FROM SANITARY SEWERS AND STORM SEWERS, TO THE GREATEST EXTENT PRACTICABLE. WHERE SANITARY SEWERS CROSS WATER MAINS OR OTHER SEWERS OR OTHER UTILITIES, TRENCH BACKFILL SHALL BE PLACED BETWEEN THE PIPES CROSSING AND SHALL BE COMPACTED GRANULAR MATERIAL, ACCORDING TO ITEM 612 OF THE STANDARD SPECIFICATIONS. IN THE EVENT THAT A WATER LINE MUST CROSS WITHIN 18 INCHES OF A SANITARY SEWER, THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF DUCTILE IRON PIPE MATERIAL.
- SEWER RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. TOPS OF RISERS SHALL BE NO LESS THAN 9 FEET BELOW PROPOSED GROUND ELEVATION IF BASEMENT SERVICE IS INTENDED.
- WHERE SEWER RISERS ARE NOT INSTALLED, A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE OF THE SAME SIZE AS THE WYE OPENING SHALL BE INSTALLED.
- THE CONTRACTOR SHALL FURNISH AND PLACE, AS DIRECTED, APPROVED WYE POLES MADE OF 2 INCHES X 2 INCHES LUMBER AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE ACCEPTANCE BY THE CITY. THE COST OF THESE POLES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS SEWER ITEMS.
- EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. COSTS FOR PUMPING AND BYPASSING SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE BID FOR THE RELATED ITEMS.
- THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATER TIGHT. ALL HOLES SHALL BE NEATLY COVERED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, THE SEWER PIPE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:  
A. RUBBER SLEEVE WITH STAINLESS STEEL BANDING.  
1) KOR-L-SEAL AS MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. CORPORATION.  
2) JOOR EQUAL AS APPROVED BY THE CITY ENGINEER.  
B. RUBBER GASKET COMPRESSION.  
1) PRESSURE SEAL AS MANUFACTURED BY DURA SEAL GASKET CORPORATION.  
2) DURA SEAL III AS MANUFACTURED BY PURA TECH, INC.  
3) JUNK-L-SEAL AS MANUFACTURED BY THUNDERBOLT CORPORATION.  
4) JOOR EQUAL AS APPROVED BY THE CITY ENGINEER.

**TRAFFIC CONTROL**

- TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.
- ALL TRAFFIC LINES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM UNLESS AUTHORIZED OTHERWISE BY THE CITY ENGINEER. AT ALL OTHER TIMES, THE CONTRACTOR SHALL MAINTAIN MINIMUM ONE-LANE TWO-WAY TRAFFIC UNIFORMED, OFF-DUTY POLICE OFFICERS SHALL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL. THE CONTRACTOR SHALL PRESENT WHATEVER ONE-LANE, TWO-WAY TRAFFIC CONTROL IS IN EFFECT. POLICE OFFICERS MAY BE REQUIRED AS DIRECTED BY THE CITY ENGINEER.
- IF THE CITY ENGINEER DETERMINES THAT THE CONTRACTOR IS NOT PROVIDING PROPER PROVISIONS FOR TRAFFIC CONTROL, THE CITY ENGINEER SHALL ASSIGN UNIFORMED, OFF-DUTY POLICE OFFICERS TO THE PROJECT AT NO COST TO THE CITY.
- STEADY BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.
- ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS OR BUSINESS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT FOR MANUAL WATER AND SANITARY SEWER SERVICE AND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN DETAILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES. THE TRAFFIC CONTROL PLAN MUST INCORPORATE ANY TRAFFIC CONTROL DETAILS CONTAINED HEREIN. THE TRAFFIC CONTROL PLAN PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

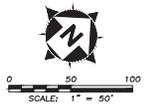
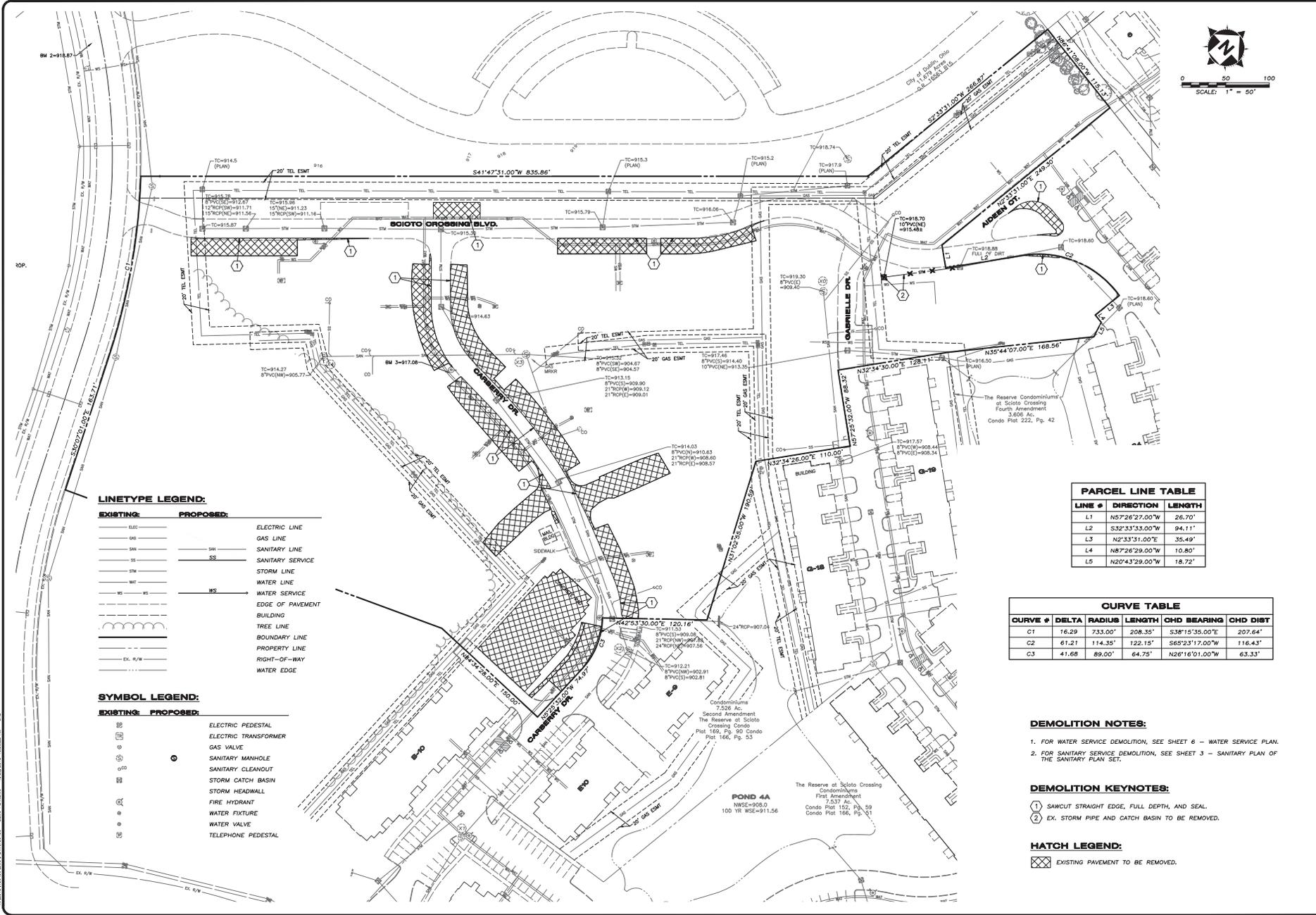
**GENERAL NOTES**

**ESTATES AT SCIOTO CROSSING III  
- T&R PROPERTIES -  
DUBLIN, OHIO**

**PROJECT NO:  
160466  
DRAWING NAME  
GEN-NOTES**

DATE	REVISION	NO.	DESCRIPTION
7/20/15		1	ISSUED FOR PERMITS
		2	ISSUED FOR PERMITS
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		68	ISSUED FOR PERMITS





**LINETYPE LEGEND:**

EXISTING	PROPOSED	
---	---	ELECTRIC LINE
---	---	GAS LINE
---	---	SANITARY LINE
---	---	SANITARY SERVICE
---	---	STORM LINE
---	---	WATER LINE
---	---	WATER SERVICE
---	---	EDGE OF PAVEMENT
---	---	BUILDING
---	---	TREE LINE
---	---	BOUNDARY LINE
---	---	PROPERTY LINE
---	---	RIGHT-OF-WAY
---	---	WATER EDGE

**SYMBOL LEGEND:**

EXISTING	PROPOSED	
⊠	⊠	ELECTRIC PEDESTAL
⊠	⊠	ELECTRIC TRANSFORMER
⊠	⊠	GAS VALVE
⊠	⊠	SANITARY MANHOLE
⊠	⊠	SANITARY CLEANOUT
⊠	⊠	STORM CATCH BASIN
⊠	⊠	STORM HEADWALL
⊠	⊠	FIRE HYDRANT
⊠	⊠	WATER FIXTURE
⊠	⊠	WATER VALVE
⊠	⊠	TELEPHONE PEDESTAL

**PARCEL LINE TABLE**

LINE #	DIRECTION	LENGTH
L1	N57°26'27.00"W	26.70'
L2	S32°33'33.00"W	94.11'
L3	N2°33'31.00"E	35.49'
L4	N87°26'29.00"W	10.80'
L5	N20°43'29.00"W	18.72'

**CURVE TABLE**

CURVE #	DELTA	RADIUS	LENGTH	CHD BEARING	CHD DIST
C1	16.29	733.00'	208.35'	S38°15'35.00"E	207.64'
C2	61.21	114.35'	122.15'	S65°23'17.00"W	116.43'
C3	41.68	89.00'	64.75'	N26°16'01.00"W	63.33'

**DEMOLITION NOTES:**

- FOR WATER SERVICE DEMOLITION, SEE SHEET 6 - WATER SERVICE PLAN.
- FOR SANITARY SERVICE DEMOLITION, SEE SHEET 3 - SANITARY PLAN OF THE SANITARY PLAN SET.

**DEMOLITION KEYNOTES:**

- SAWCUT STRAIGHT EDGE, FULL DEPTH, AND SEAL.
- EX. STORM PIPE AND CATCH BASIN TO BE REMOVED.

**HATCH LEGEND:**

- EXISTING PAVEMENT TO BE REMOVED.

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Northwest Building - 708 S. High Street - Suite 300, Columbus, Ohio 43215  
Phone: 614.863.7700 - Fax: 614.863.7701 - www.ctconsultants.com

NO.	DATE	REVISION

DRAWING SCALE	NO.	DATE	BY	CHECKED BY
HORIZONTAL: 1" = 50'		7/20/15	JMB	
VERTICAL: N/A				

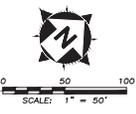
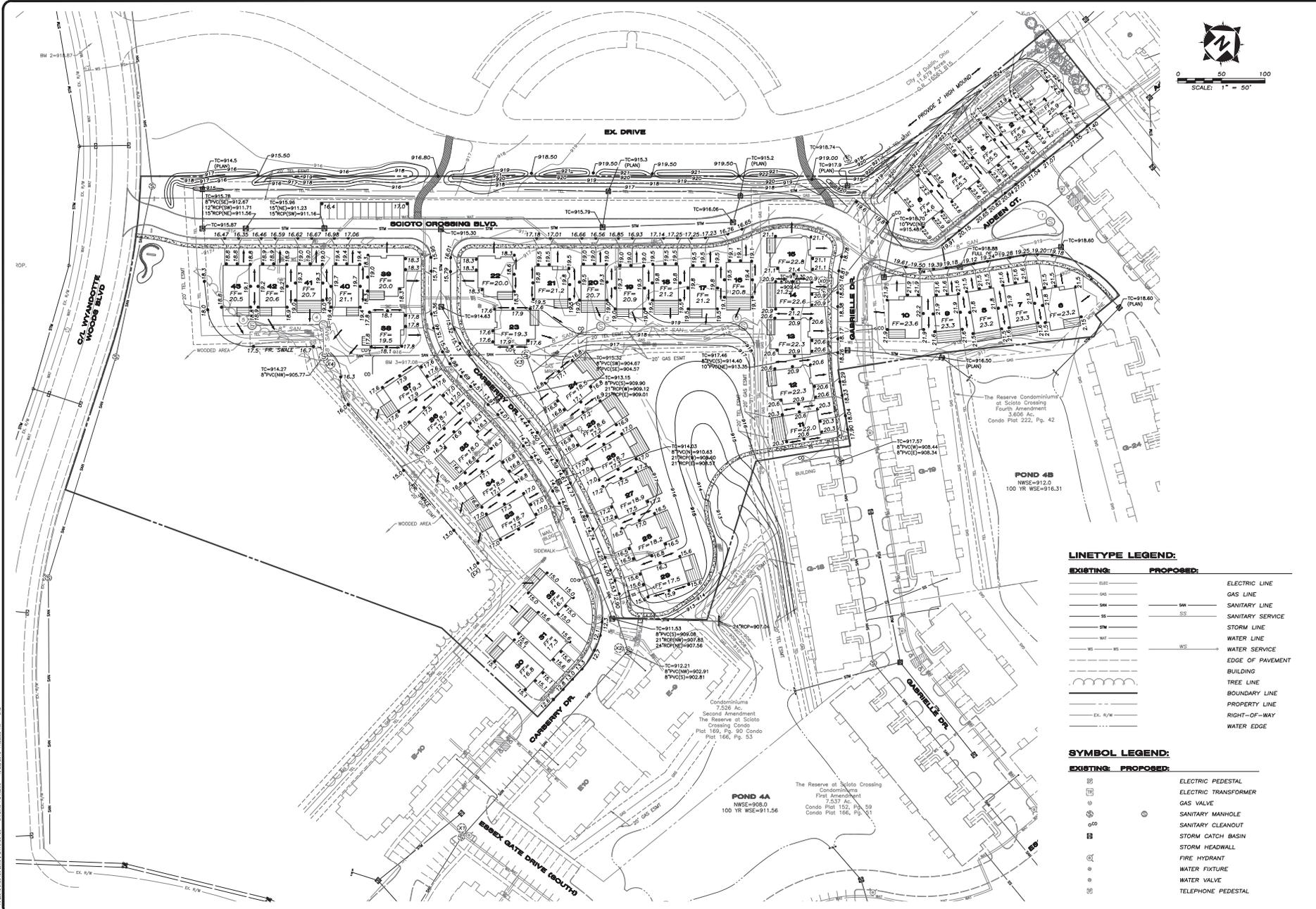
**ESTATES AT SCIOTO CROSSING III**  
- T&R PROPERTIES -  
DUBLIN, OHIO

**EXISTING CONDITIONS & PAVEMENT DEMOLITION PLAN**

PROJECT NO:	150466
DRAWING NAME:	DEMO-PLN
SHEET:	4
OF:	9







**LINETYPE LEGEND:**

EXISTING	PROPOSED	
		ELECTRIC LINE
		GAS LINE
		SANITARY LINE
		SANITARY SERVICE
		STORM LINE
		WATER LINE
		WATER SERVICE
		EDGE OF PAVEMENT
		BUILDING
		TREE LINE
		BOUNDARY LINE
		PROPERTY LINE
		RIGHT-OF-WAY
		WATER EDGE

**SYMBOL LEGEND:**

EXISTING	PROPOSED	
		ELECTRIC PEDESTAL
		ELECTRIC TRANSFORMER
		GAS VALVE
		SANITARY MANHOLE
		SANITARY CLEANOUT
		STORM CATCH BASIN
		STORM HEADWALL
		FIRE HYDRANT
		WATER FIXTURE
		WATER VALVE
		TELEPHONE PEDESTAL

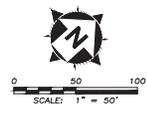
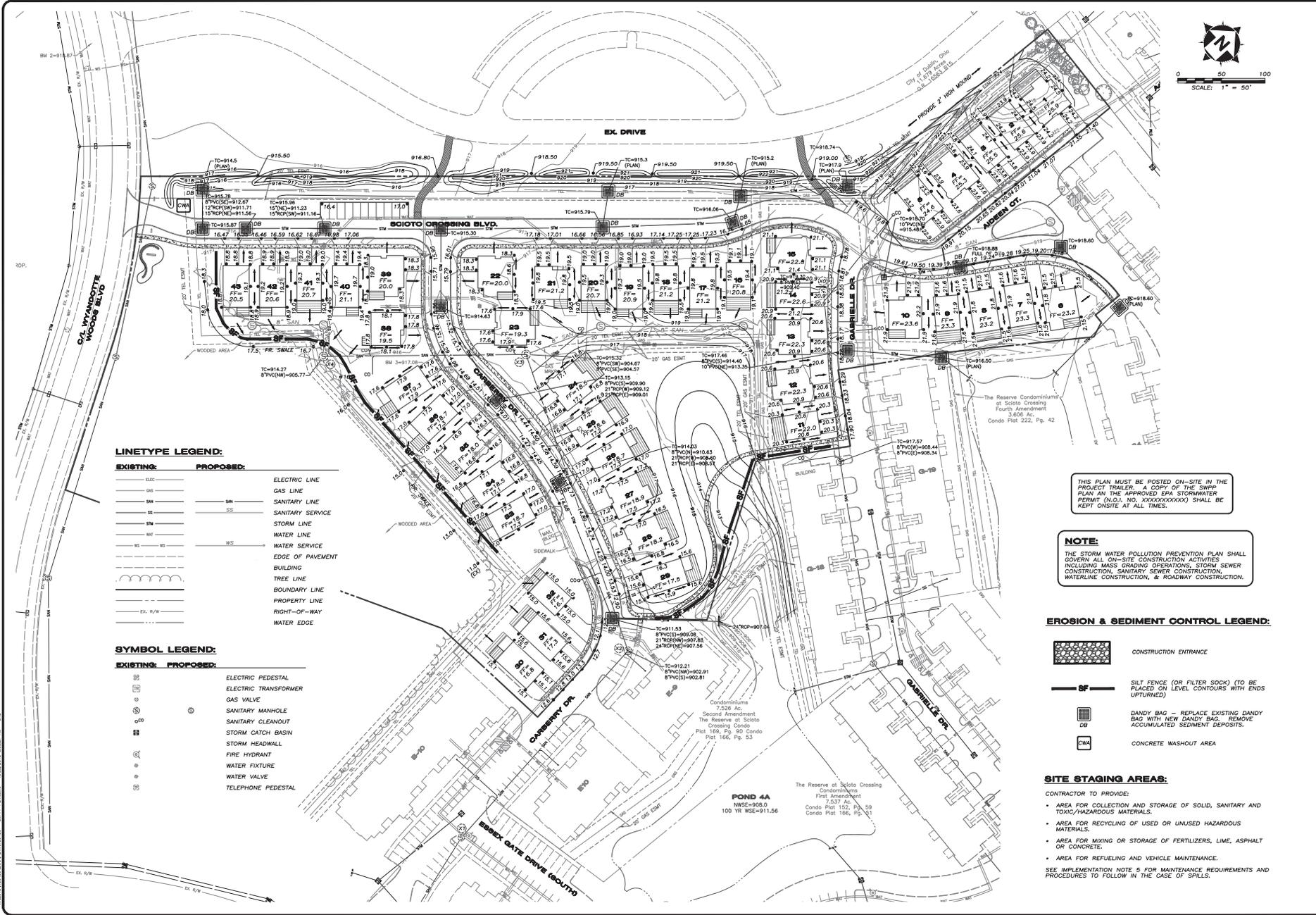
**CT Consultants**  
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NO.	REVISION	DATE

**ESTATES AT SCIOTO CROSSING III**  
 - T&R PROPERTIES -  
 DUBLIN, OHIO  
**GRADING PLAN**

PROJECT NO:	150466
DRAWING NAME	GRAD-PLN
SHEET	7
OF	9



**LINETYPE LEGEND:**

EXISTING:	PROPOSED:	DESCRIPTION:
---	---	ELECTRIC LINE
---	---	GAS LINE
---	---	SANITARY LINE
---	---	SANITARY SERVICE
---	---	STORM LINE
---	---	WATER LINE
---	---	WATER SERVICE
---	---	EDGE OF PAVEMENT
---	---	BUILDING
---	---	TREE LINE
---	---	BOUNDARY LINE
---	---	PROPERTY LINE
---	---	RIGHT-OF-WAY
---	---	WATER EDGE

**SYMBOL LEGEND:**

EXISTING:	PROPOSED:	DESCRIPTION:
⊞	⊞	ELECTRIC PEDESTAL
⊞	⊞	ELECTRIC TRANSFORMER
⊞	⊞	GAS VALVE
⊞	⊞	SANITARY MANHOLE
⊞	⊞	SANITARY CLEANOUT
⊞	⊞	STORM CATCH BASIN
⊞	⊞	STORM HEADWALL
⊞	⊞	FIRE HYDRANT
⊞	⊞	WATER FIXTURE
⊞	⊞	WATER VALVE
⊞	⊞	TELEPHONE PEDESTAL

THIS PLAN MUST BE POSTED ON-SITE IN THE PROJECT TRAILER. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (NO.1. NO. XXXXXXXXX) SHALL BE KEPT ON-SITE AT ALL TIMES.

**NOTE:**  
THE STORM WATER POLLUTION PREVENTION PLAN SHALL GOVERN ALL ON-SITE CONSTRUCTION ACTIVITIES INCLUDING MASS GRADING OPERATIONS, STORM SEWER CONSTRUCTION, SANITARY SEWER CONSTRUCTION, WATERLINE CONSTRUCTION, & ROADWAY CONSTRUCTION.

**EROSION & SEDIMENT CONTROL LEGEND:**

	CONSTRUCTION ENTRANCE
	SILT FENCE (OR FILTER SOCK) TO BE PLACED ON LEVEL CONTOURS WITH ENDS UP/TURNED
	DANDY BAG - REPLACE EXISTING DANDY BAG WITH NEW DANDY BAG. REMOVE ACCUMULATED SEDIMENT DEPOSITS.
	CONCRETE WASHOUT AREA

**SITE STAGING AREAS:**

- CONTRACTOR TO PROVIDE:
- AREA FOR COLLECTION AND STORAGE OF SOLID, SANITARY AND TOXIC/HAZARDOUS MATERIALS.
  - AREA FOR RECYCLING OF USED OR UNUSED HAZARDOUS MATERIALS.
  - AREA FOR MIXING OR STORAGE OF FERTILIZERS, LIME, ASPHALT OR CONCRETE.
  - AREA FOR REFUELING AND VEHICLE MAINTENANCE.
- SEE IMPLEMENTATION NOTE 5 FOR MAINTENANCE REQUIREMENTS AND PROCEDURES TO FOLLOW IN THE CASE OF SPILLS.

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NO.	DATE	REVISION

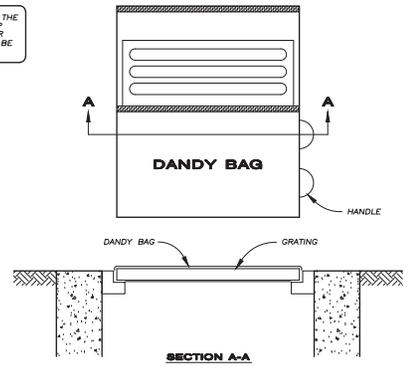
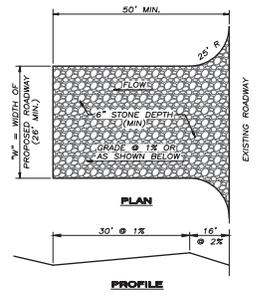
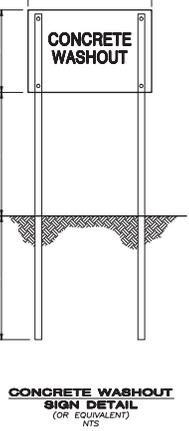
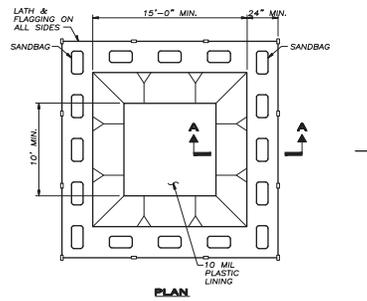
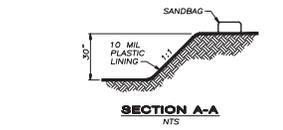
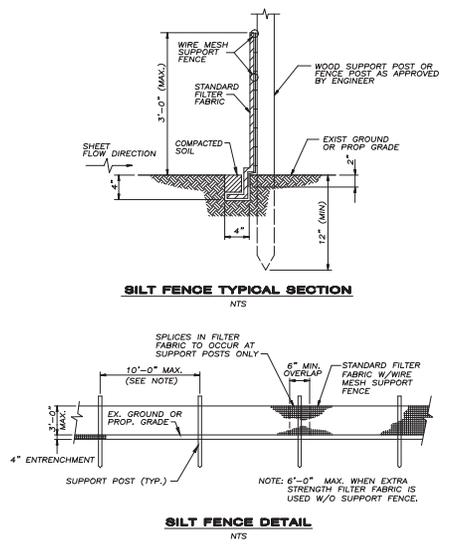
DRAWING SCALE:	DATE:	DRAWN BY:	CHECKED BY:
1" = 50' 1" = 100' 1" = 200'	7/20/15	JMB	JMB

**ESTATES AT SCIOTO CROSSING III**  
- T&R PROPERTIES -  
DUBLIN, OHIO

**SWPPP PLAN**

PROJECT NO:	150466
DRAWING NAME	SWPPP-PLN
SHEET	8
OF	9

THIS PLAN MUST BE POSTED ON-SITE IN THE PROJECT TRAILER. A COPY OF THE SWPP PLAN AN THE APPROVED EPA STORMWATER PERMIT (N.O.I. NO. XXXXXXXXXX) SHALL BE KEPT ON-SITE AT ALL TIMES.



**INSTALLATION:** STAND GRATE ON END, PLACE DANDY BAG OVER GRATE, FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK, TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

**MAINTENANCE:** AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH STIFF BRUSH.

**EROSION CONTROL REQUIREMENTS FOR COMPLIANCE WITH OEP'S GENERAL PERMIT FOR CONSTRUCTION**

THE EROSION CONTROL MEASURES INCLUDED IN THIS PLAN SHALL BE INSTALLED PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES OR AS SOON AS PRACTICAL. SEDIMENT SHALL BE PREVENTED FROM DISCHARGING FROM THE PROJECT SITE BY INSTALLING AND MAINTAINING SILT FENCE, STRAW BALES, SEDIMENT BASINS, ETC. AS SHOWN ON THIS PLAN. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION FROM ALL SITES REMAINING DISTURBED FOR MORE THAN 14 DAYS.

THE CONTRACTOR SHALL CONTROL WASTES, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORM WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES AND UNUSED BUILDING MATERIALS, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED. COMPLIANCE IS REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL OF SANITARY SEWER, OR SEPTIC SYSTEMS.

PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE LOCATION.

ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH STRAW BALES, FILTER FABRIC, OR EQUIVALENT BARRIERS AS SHOWN ON THIS PLAN.

EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN INACTIVE FOR MORE THAN 21 DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN SEVEN (7) DAYS. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN 7 DAYS AFTER FINAL GRADE IS ESTABLISHED.

THE EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL, AND FOLLOWING THE PLANS AND SPECIFICATIONS INCLUDED HEREIN.

DURING THE PERIOD OF CONSTRUCTION ACTIVITIES ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES. IF REQUIRED, WITH THE OWNER. MAINTENANCE SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE SOIL CONSERVATION SERVICE MANUAL "WATER MANAGEMENT AND SEDIMENT CONTROL FOR URBANIZING AREAS."

EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS PRACTICAL.

ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED IN ACCORDANCE WITH THE CONDITIONS OF APPLICABLE PERMITS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

THIS EROSION CONTROL PLAN MUST BE RETAINED ON-SITE AT ALL TIMES DURING THE PERIOD OF CONSTRUCTION.

FIELD ADJUSTMENTS FOR LOCATIONS AND DIMENSIONS OF CONTROL DEVICES MAY BE MADE BY THE ENGINEER AS REQUIRED. ADDITIONAL EROSION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AS DIRECTED BY THE CITY OF DUBLIN.

EROSION CONTROL DEVICES REMOVED DURING GRADING OPERATIONS SHALL BE PUT BACK IN PLACE AT THE END OF THE DAY OR DURING INCLEMENT WEATHER.

PERMANENT SODDING SHALL BE DONE BETWEEN MARCH 15 AND SEPTEMBER 15.

IF SHOWN ON THIS PLAN, ENERGY-DISSIPATION DEVICES OR EROSION CONTROL CONTROL AT THE OUTFALL OF THE STORM SEWER SYSTEM SHALL BE INSTALLED AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL.

STREAMS INCLUDING BED AND BANKS SHALL BE RESTABILIZED IMMEDIATELY AFTER IN-CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED.

NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT MAY READILY SLURRY, SLIP, OR FLOW INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE ENGINEER AND, WHEN APPLICABLE, THE U.S. ARMY CORPS OF ENGINEERS FOR SUCH PURPOSES AS, BUT NOT LIMITED TO, CONSTRUCTION BRIDGES, CULVERTS, AND EROSION CONTROL STRUCTURES.

**CONCRETE WASHOUT AREA NOTES**

**LOCATION AND CONFIGURATION**

CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL CONCRETE WASTE GENERATED ON SITE. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.

IF APPROVED BY THE ENGINEER, THE CONCRETE WASHOUT AREAS(S) MAY BE SITED IN DIFFERENT LOCATION(S) THAN SHOWN ON THE PLAN. ACCEPTABLE LOCATIONS SHALL BE ACCESSIBLE BY CONCRETE TRUCKS, A MINIMUM OF 50 FEET FROM ANY STORM DRAINS, OPEN DITCHES, OR WATER BODIES, AND IN AREAS THAT DO NOT RECEIVE STORMWATER DRAINAGE FROM UPSTREAM SOURCES.

IF CONCRETE WASHOUT AREAS ARE LOCATED AWAY FROM PAVED SURFACES, A GRAVEL ACCESS ROUTE, EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE, SHALL BE CONSTRUCTED TO PREVENT SEDIMENT FROM BEING TRANSPORTED OUT ROADWAYS.

IF APPROVED BY THE ENGINEER, PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE. PREFABRICATED UNITS MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE AND ARE SUBJECT TO THE MAINTENANCE REQUIREMENTS SPECIFIED ON THIS PLAN. IF CONCRETE WASHOUT AREAS(S) ARE FABRICATED ON-SITE, THEY SHALL BE CONSTRUCTED PER PLAN, BE A MINIMUM OF 10 FEET WIDE BY 10 FEET LONG BY 30 INCHES DEEP, AND DOUBLE-LINED WITH CONTINUOUS 10-MIL POLYETHYLENE SHEETING. SHEETING SHALL BE FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS. BELOW GROUND UNITS ARE RECOMMENDED.

CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT LOCATION.

**OPERATION, INSPECTION AND MAINTENANCE**

ALL EXCESS CONCRETE, AND ALL CONCRETE WASHOUT, INCLUDING THAT FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN DESIGNATED CONCRETE WASHOUT AREAS. DISPOSAL OF EXCESS CONCRETE, OR CONCRETE WASHOUT, ON GROUND SURFACES, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.

FOR CONCRETE TRUCKS, ONLY CONCRETE FROM MIXER CHUTES CAN BE WASHED IN THE CONCRETE WASHOUT AREAS. CONCRETE FROM PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND THEN DISCHARGED INTO THE WASHOUT AREA, OR PROPERLY DISPOSED OF OFF-SITE.

CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE TO THE UNITS, AND TO DETERMINE IF REPAIRS NEEDS TO BE CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. ALL DAMAGED CONCRETE MATERIAL, DISPOSAL OF AS SPECIFIED. THE UNIT SHALL BE CLEANED OR REPLACED WHEN IT IS 75 PERCENT FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH GRADING.

SLURRIES OR LIQUIDS SHALL BE VACUUMED AND DISPOSED OF IN AN APPROVED MANNER. DISPOSAL OF SLURRIES OR LIQUIDS ON GROUND SURFACES, IN THE SANITARY SEWER SYSTEM, OR IN STORM DRAINS, DITCHES OR WATER BODIES IS PROHIBITED. HARDENED CONCRETE MAY BE REMOVED WHOLE, OR BROKEN UP AND HAULED AWAY FOR DISPOSAL OR RECYCLING.

WHEN CONCRETE WASHOUT AREAS ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE, SLURRIES AND LIQUIDS SHALL BE REMOVED AND PROPERLY DISPOSED OF AS SPECIFIED. MATERIALS USED TO CONSTRUCT THE WASHOUT FACILITIES SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM. ALL CONCRETE WASHOUT AREAS SHALL BE CLEANED AND STABILIZED TO PREVENT EROSION. BACKFILL SHALL BE COMPACTED PER COC ITEM 911.

CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOW.

**PERMIT NOTE:**

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A COPY OF OHIO EPA PERMIT NO. OHCD00004 AUTHORIZING DISCHARGE FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM, ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) AND EPA RESPONSE LETTER GRANTING PERMIT COVERAGE FOR THIS PROJECT. COPIES OF THESE DOCUMENTS AND THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON SITE FOR THE DURATION OF CONSTRUCTION ACTIVITIES.

**IMPLEMENTATION NOTES:**

- THE CONTRACTOR IS INSTRUCTED TO INSTALL ALL EROSION AND SEDIMENT CONTROLS AS SOON AS PRACTICAL DURING CONSTRUCTION. CONTROLS SHALL BE AS SPECIFIED IN THE SEQUENCING SCHEDULE AND ON THE PLANS. THIS PLAN, AND ALL EROSION AND SEDIMENT CONTROLS SHALL BE UPDATED, AS NEEDED, TO REFLECT THE DYNAMICS OF CONSTRUCTION ACTIVITY.
  - SEDIMENT BASINS AND PERIMETER SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND WITHIN 7 DAYS FOLLOWING THE START OF GRUBBING. SEDIMENT BASINS AND PERIMETER CONTROLS SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
  - EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED AS SOON AS POSSIBLE FOLLOWING THE CONSTRUCTION ACTIVITY LISTED. TEMPORARY AND PERMANENT STABILIZATION SHALL BE IMPLEMENTED AS DEFINED IN THE PERMIT AND IN THE GENERAL NOTES.
  - THE CONTRACTOR SHALL DESIGNATE ON-SITE AREAS FOR THE STORAGE AND DISPOSAL OF SOLID, SANITARY, AND TOXIC WASTES, FOR GEMET TRUCK WASHOUT AND FOR RE-FUELING. SAID AREAS SHALL BE PROPERLY MAINTAINED AND LOCATED SUCH THAT POLLUTANTS WILL NOT BE WASHED OR DRAINED TO OFF-SITE LANDS OR THE STORMWATER COLLECTION AND DETENTION SYSTEM. CONTRACTOR SHALL PROVIDE DIVERSION DITCHES OR DIKES TO PREVENT STORMWATER RUNOFF IN THESE AREAS FROM WASHING INTO STORMWATER DRAINAGE FACILITIES.
- CONTRACTOR SHALL PROVIDE COVERED, LEAK-PROOF CONTAINERS FOR STORAGE OF DEBRIS, TRASH AND HAZARDOUS WASTES.
- CONTRACTOR SHALL PROPERLY DISPOSE OF SOLID, SANITARY AND TOXIC HAZARDOUS WASTES OFF-SITE. NO WASTE MATERIALS SHALL BE DISPOSED OF IN STORM DRAINS OR SEPTIC TANKS, OR BY BURYING, BURNING OR MIXING OF WASTES.
- IN THE CASE OF HAZARDOUS SPILLS OR LEAKS, CONTRACTOR SHALL DO THE FOLLOWING:
- CEASE OPERATIONS UNTIL SPILL OR LEAK IS CONTAINED.
  - USE DIVERSION DITCHES, DIKES, PLASTIC SHEETING, ETC. TO CAPTURE AND CONTAIN CONTAMINATED SOIL.
  - PROPERLY DISPOSE OF HAZARDOUS MATERIAL OFF-SITE, INCLUDING ANY CONTAMINATED SOIL.
  - REPAIR OR REPLACE DAMAGED STORAGE CONTAINERS AS NECESSARY.
  - REPORT SPILL AND RESPONSE WORK IN INSPECTION LOG.
- FOR HAZARDOUS SPILLS OR LEAKS 25 GALLONS OR GREATER, CONTRACTOR SHALL CONTACT OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY MANAGEMENT AGENCY WITHIN 30 MINUTES OF THE SPILL.
- MAINTENANCE REQUIREMENTS: THE GENERAL PERMIT REQUIRES THE PERMITTEE TO CONDUCT INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROLS EVERY SEVEN DAYS OR WITHIN 24 HOURS OF A RAIN EVENT EQUAL TO OR GREATER THAN 0.5 INCHES. INSPECTIONS MUST BE QUALIFIED BY QUALIFIED PERSONNEL AND INCLUDE ITEMS LISTED IN PART III.C.2 OF THE GENERAL PERMIT. THE RESULTS OF THE INSPECTIONS AND RESULTING CORRECTIVE ACTIONS MUST BE KEPT ON SITE AVAILABLE FOR REVIEW AND MAINTAINED FOR A PERIOD OF THREE YEARS FOLLOWING SUBMITTAL OF THE NOI. ALL EARTH STABILIZATION ACTIVITIES MUST BE CLEARLY DOCUMENTED IN INSPECTION REPORTS TO ENSURE THE TEMPORARY OR PERMANENT STABILIZATION REQUIREMENTS ARE NOT VIOLATED.
  - ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED AND FUNCTIONAL UNTIL CONSTRUCTION IS COMPLETED AND ALL UPSTREAM AREAS HAVE BEEN STABILIZED. ONCE UPSTREAM AREAS HAVE BEEN STABILIZED, THE CONTRACTOR SHALL REMOVE ALL CONTROLS. THE CONTRACTOR SHALL FILE A NOTICE OF TERMINATION (NOT) WITH OHIO EPA WITHIN 45 DAYS OF THE COMPLETION OF CONSTRUCTION.

PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT LIE DORMANT FOR ONE YEAR OR MORE.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE.
ANY AREAS WITHIN 50 FEET OF A STREAM AND AT FINAL GRADE.	WITHIN TWO DAYS OF REACHING FINAL GRADE.
ANY OTHER AREAS AT FINAL GRADE.	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A STREAM AND NOT AT FINAL GRADE.	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 21 DAYS.
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 21 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A STREAM.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA.
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER.	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

**SEQUENCE OF CONSTRUCTION:**

- SITE CONTRACTOR**
- PHASE 1**
- INSTALL PERIMETER CONTROLS.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT AREA. REPLACE EXISTING INLET PROTECTION AND CLEAR EXCESS SEDIMENT DEPOSITS.
  - CLEAR SITE.
  - BEGIN ROUGH GRADING.
- PHASE 2**
- CONSTRUCT SANITARY SEWER. LIMIT DISTURBANCE TO AREA REQUIRED FOR CONSTRUCTION.
  - INSTALL REMAINING UTILITIES.
  - FINAL GRADE LOT AREAS. REPAIR INLET PROTECTION AS NEEDED. INSTALL TEMPORARY/PERMANENT SEEDING.
- PHASE 3**
- REMOVE CONSTRUCTION ENTRANCES AND PAVE ROADWAYS.
  - FOLLOWING SITE STABILIZATION, REMOVE EROSION AND SEDIMENT CONTROLS.



DATE	REVISION	NO.	DESCRIPTION

DATE	BY	CHKD BY
7/20/15	JAB	JAB

DATE	BY	CHKD BY
7/20/15	JAB	JAB

**SWPPP NOTES & DETAILS**

PROJECT NO:	150466
DRAWING NAME	SWPPP-DET
SHEET	9
OF	9