

SITE DATA ZONING:

PROPERTY OWNER: COLUMBUS METROPOLITAN LIBRARY BOARD OF TRUSTEES

EROSION CONTROL DETAILS

060-001253; 060-001254; 060-001153; 060-001154; 060-001155

PROPOSED USE: PUBLIC LIBRARY

TOTAL SITE ACREAGE: 6.28 ACRES

TOTAL DISTURBED AREA: 3.91 ACRES

EXISTING ZONING: BRICE AND MAIN DISTRICT (BMD)

PROPOSED ZONING: NO CHANGE

FEMA FLOODPLAIN: 39049C0354K; 06/17/2008

SITE LAYOUT DATA:

MINIMUM DRIVE AISLE WIDTH: 22'

STANDARD PARKING STALL: 9'x18'

ADA PARKING STALL: 8'x18'

BUILDING SETBACK/BUFFER: 10' FRONT YARD SETBACK

10' SIDE YARD SETBACK

10' REAR YARD SETBACK

BUILDING DATA:

TOTAL AREA: 37,500 SF

BUILDING HEIGHT: 37'-0"

STORIES: 2

PARKING DATA:

1/200 SF REQUIRED FOR 37,500 SF / 200 = 188 SPACES REQUIRED

PARKING REDUCTIONS: 2 CARPOOL SPACES = 5% REDUCTION

5 BICYCLE RACKS PROVIDED = 10% REDUCTION 2 ELECTRIC VEHICLE CHARGING STATIONS = 5% REDUCTION

TOTAL PARKING REQUIRED: 188 X 20% REDUCTIONS = 150 SPACES

150 SPACES (INCLUDING 5 ADA SPACES)

LANDSCAPE DATA:

EXISTING IMPERVIOUS AREA: 3.04 ACRES

PROPOSED IMPERVIOUS AREA: 2.44 ACRES (106,287 SF)

GREENSPACE: 1.47 ACRES

LOT COVERAGE: 62% EQUIVALENT RESIDENTIAL UNITS (ERU): 106,287 SF / 2,530 SF = 42 ERUs

BASIS OF BEARING (NAVD88)

ELEVATIONS WERE ESTABLISHED USING 45 MINUTE STATIC OBSERVATIONS UTILIZING GLOBAL POSITIONING SYSTEM (GPS) PROCEDURES. THE GPS DATA WAS SUBMITTED TO THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE RAPID-STATIC (OPUS-RS) SYSTEM FOR PROCESSING. THE SYSTEM USES THE CONTINUALLY OPERATING REFERENCE STATIONS (CORS) TO ESTABLISH THE GEODETIC ELEVATION.

THE BASIS OF BEARINGS USED FOR THIS EXHIBIT ARE BASED ON THE NAD83 OHIO STATE PLANE COORDINATE SYSTEM. SOUTH ZONE (NSRS 2007) WHICH DETERMINES THE BEARING FOR A PORTION OF THE EASTERLY RIGHT-OF-WAY OF BRICE ROAD TO BE S04°28'52"W.

BENCHMARKS

NORTHEAST CORNER OF CONCRETE LIGHT POLE BASE LOCATED ON THE EAST SIDE OF BRICE ROAD, APPROXIMATELY 25 FEET SOUTH OF SUBJECT SITE. SHOWN ON BASE MAP AS "SITE BM

NORTHING = 710642.40 EASTING = 1876267.15 ELEVATION = 837.69

BM 2
TOP FLANGE BOLT OF FIRE HYDRANT LOCATED ON THE EAST SIDE OF BRICE ROAD, APPROXIMATELY IN THE MIDDLE OF SUBJECT SITE. SHOWN ON BASE MAP AS "SITE BM #2"

EASTING = 1876286.24

ELEVATION = 844.14

BM 3
TOP FLANGE BOLT OF FIRE HYDRANT LOCATED NORTHEAST OF THE NORTH BUILDING, APPROXIMATELY IN THE MIDDLE OF SUBJECT SITE. SHOWN ON BASE MAP AS "SITE BM #3"

NORTHING = 711079.72 EASTING = 1876620.54 ELEVATION = 856.46

UTILITY CONTACTS

AMERICAN ELECTRIC POWER (AEP)

PHONE: (614) 883-6854 EMAIL: RDCOOPER@AEP.COM COLUMBIA GAS OF OHIO

CONTACT: DONYEL GIBSON 290 W NATIONWIDE BV, 3RD FLOOR COLUMBUS, OH 43215 PHONE: (614) 460-5400 EXT 3028

CONTACT: KEVIN D RICH

CHARTER COMMUNICATIONS PHONE: (614) 481-5263

EMAIL: KEVIN.RICH1@CHARTER.COM

CITY OF REYNOLDSBURG WATER/WASTEWATER CONTACT: PAUL HELLMAN PHONE: (614) 322-4503

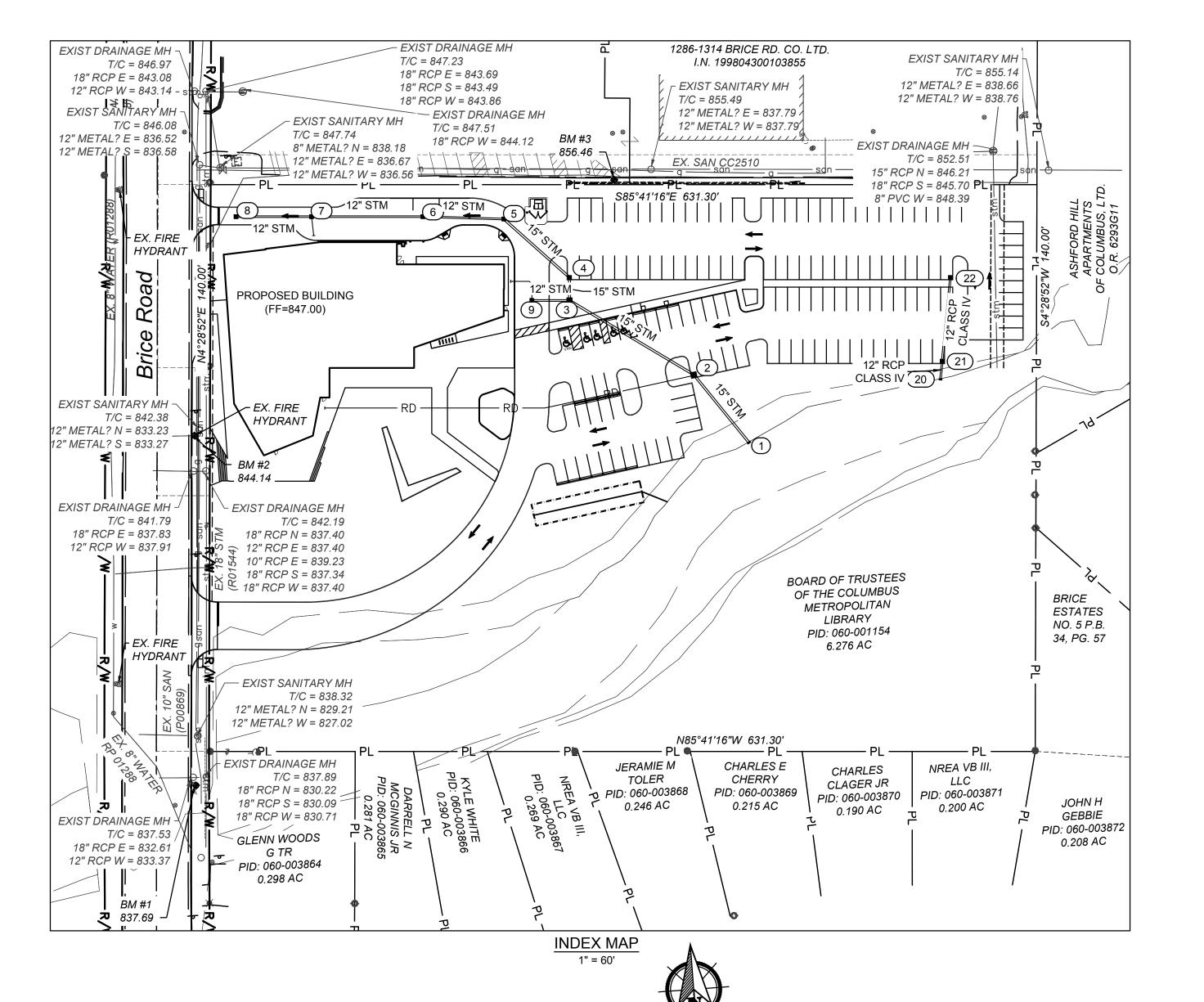
E-MAIL: PHELLMAN@REYNOLDSBURG.GOV CITY OF REYNOLDSBURG STREET

CONTACT: KEITH KUNDTZ PHONE: (614) 322-5800 EMAIL: KKUNDTZ@REYNOLDSBURG.GOV

CONTACT: ROGER MIKESEL PHONE: (614) 223-7162

COLUMBUS METROPOLITAN LIBRARY

1402 BRICE RD REYNOLDSBURG, OHIO 43068



ENGINEER AMERICAN STRUCTUREPOINT 2550 CORPORATE EXCHANGE DRIVE, SUITE 300 COLUMBUS, OHIO 43231 **CONTACT: GARRETT BAKER**

PHONE: 614-901-2235 EMAIL: GBAKER@STRUCTUREPOINT.COM

LANDSCAPE ARCHITECT

330 WEST SPRING STREET, SUITE 350 **CONTACT: DOUG BOYER** PHONE: 614-486-3343 EMAIL: DBOYER@EDGELA.COM

JONATHAN BARNES ARCHITECTURE & DESIGN 243 N 5TH STREET, SUITE 200 COLUMBUS, OHIO 43215 **CONTACT: BENJAMIN ROBLES**

EMAIL: BPACHECOROBLES@JBADUSE.COM

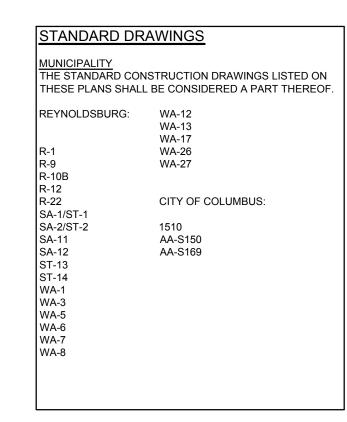
ARCHITECT

PHONE: 614-228-7311

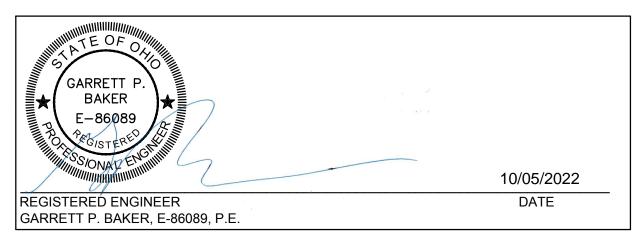
ARCHITECT GUND PARTNERSHIP 47 THORNDIKE STREET CAMBRIDGE, MASSACHUSETTS CONTACT: SARAH LUTZE PHONE: 617-250-6800 EMAIL: SARAHL@GUNDPARTNERSHIP.COM







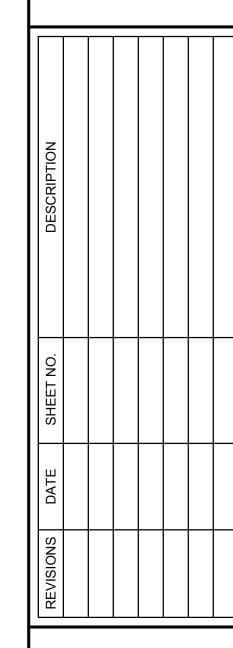
DATE
DATE







TROPOLITAN COLUMBUS



DATE: 10/5/2022 DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280

GENERAL NOTES

- 1. THE REQUIREMENTS OF THE CITY OF REYNOLDSBURG, TOGETHER WITH THE MOST CURRENT VERSION OF CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC) AND THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION (ODOT CMS), INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL MATERIAL AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN IN THESE PLANS UNLESS OTHERWISE
- 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- 3. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE CITY OF REYNOLDSBURG AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION.
- 4. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTACT THE DEPARTMENT OF PUBLIC SERVICE (614.322.6810) AND THEIR DESIGNEE IDENTIFIED AT THE PRECONSTRUCTION MEETING TO SCHEDULE INSPECTION. THE CITY SHALL INSPECT THE FOLLOWING: ALL UNDERGROUND WATER, SEWER, AND STORM, DETENTION/RETENTION PONDS, GRADING, RETAINING WALLS, PAVEMENT IN CITY RIGHT-OF-WAY, ALL SIDEWALKS OR BIKE PATHS IN ANY PUBLIC RIGHT-OF-WAY, AND ANY OTHER ITEMS NOTED DURING REVIEW OR AT THE PRE-CONSTRUCTION MEETING. FINAL ACCEPTANCE MAY BE AFFECTED IF PROCEDURES ARE NOT FOLLOWED FOR PROPER INSPECTION.
- 5. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CITY'S DESIGNEE FOR INSPECTION AND REQUEST A FINAL PUNCH-LIST INSPECTION OF THE SITE ONCE ALL ITEMS ON THE APPROVED PLANS HAVE BEEN COMPLETED.
- 6. THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR AND SUBCONTRACTOR SHALL ALSO ABIDE BY ALL CITY ORDINANCES AND STATE/FEDERAL LAWS.
- 7. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CITY ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR DEPTHS OF THE UNDERGROUND FACILITIES AS SHOWN ON THE PLANS OR NOT. CONTRACTOR MUST GIVE ADEQUATE NOTICE TO THE APPROPRIATE UTILITY COMPANY BEFORE ANY EXCAVATION NEAR A KNOWN UTILITY PER STATE LAW.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL CLEARANCES THAT EXIST PER THE APPROVED PLANS. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1- 800-362-2764 (OR 811) FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.
- 10. WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF LAYING PIPE OR DUCT FOR THE ENGINEER OF RECORD TO DETERMINE THE EXACT ELEVATION AND MAKE ANY NECESSARY ADJUSTMENTS. THE CITY SHALL APPROVE PLAN UPDATES.
- 11. ALL MATERIALS INCLUDING BUT NOT LIMITED TO PIPING, APPURTENANCES, MANHOLES, GRAVEL, ETC. TO BE UTILIZED FOR DEDICATED PUBLIC UTILITIES OR ROADWAYS MUST BE APPROVED BY THE CITY. IN ADDITION, ALL CONCRETE PIPE, STORM, AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE OR STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.
- 12. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT THE CONTRACTOR'S OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY COMPANY.
- 13. CARE SHALL BE EXERCISED WHEN WORKING THE AREA AROUND EXISTING TREES AND SHRUBS. ANY TREES OR SHRUBS NOT MARKED FOR REMOVAL THAT ARE DAMAGED BY THE CONTRACTOR WILL HAVE TO BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.
- 14. ANY PROPERTY CORNER PINS OR PERMANENT SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A REGISTERED PROFESSIONAL SURVEYOR WITH THE STATE
- 15. THE OPEN BURNING OF SITE-CLEANING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.
- 16. ALL EARTHWORK OPERATIONS, ESPECIALLY PAVEMENT SUB-GRADE CONSTRUCTION, SHALL BE INSPECTED. ADDITIONALLY, ALL FINAL GRADES SHALL BE FIELD CHECKED BY BOTH THE CONTRACTOR AND THE INSPECTOR UPON COMPLETION OF CONTRACTOR'S OPERATIONS TO DETERMINE IF THE SITE HAS BEEN CONSTRUCTED TO THE GRADES INDICATED ON THE APPROVED PLANS.
- 17. OPEN CUTTING OF STREETS SHALL BE PROHIBITED UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OF ENGINEERING OR THE SAFETY/SERVICE DIRECTOR.
- 18. UTILITY TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY INCLUDING ALL POINTS TO WITHIN 3'-0" BEHIND THE CURB, ARE TO BE FILLED AND COMPACTED PER ITEM 912 OF THE COC CMS. UTILITY TRENCHES WITHIN THE RIGHT OF WAY BUT OUTSIDE THE ROADWAY INFLUENCE SHALL BE FILLED AND COMPACTED WITH SUITABLE NATIVE MATERIAL TO WITHIN 98% OF THE MAXIMUM DRY DENSITY PER ITEM 911 OF COC CMS. ALL OTHER TRENCHES ARE TO BE FILLED AND COMPACTED WITH NATIVE MATERIAL TO WITHIN 95% OF THE MAXIMUM DRY DENSITY.
- 19. STORM SEWERS, SANITARY SEWERS, AND WATER MAINS CONSTRUCTED IN FILL AREAS GREATER THAN 1'-0" SHALL BE CONSTRUCTED AFTER COMPACTED FILL HAS BEEN INSTALLED TO PROPOSED GRADE. THE STORM SEWERS, SANITARY SEWERS, AND WATER MAINS SHALL BE INSTALLED PER SPECIFIED TRENCH INSTALLATION DETAILS.
- 20. THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK.
- 21. ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION.
- 22. THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE.
- 23. ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE CAPPED AS REQUIRED BY APPLICABLE (FRANKLIN/LICKING/FAIRFIELD) COUNTY AND OHIO

- DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS AND OHIO ENVIRONMENTAL PROTECTION AGENCY, STANDARDS, AND SPECIFICATIONS.
- 24. NO NON-RUBBER TIRED VEHICLES SHALL BE MOVED ON PUBLIC STREETS. EXCEPTION MAY BE GRANTED BY THE CITY OF REYNOLDSBURG WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES EXIST. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY.
- 25. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER INSTALLATION (PRIOR TO THE START OF CONSTRUCTION), MAINTENANCE, AND REPLACEMENT OF SEDIMENT AND EROSION CONTROL MEASURES PER THE APPROVED SWPPP AND PER THE CURRENT OEPA GENERAL PERMIT FOR CONSTRUCTION STORMWATER REQUIREMENTS, UNDER WHICH THIS PROJECT HAS OBTAINED COVERAGE. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING ANY FINE LEVIED BY THE OEPA RESULTING FROM FAILURE TO ADHERE TO THE SWPPP AND/OR THE REQUIREMENTS OF THE OEPA GENERAL PERMIT. THE CONTRACTOR MUST REGISTER AS A CO-PERMITTEE FOR THIS PROJECT (WITH THE OEPA) PRIOR TO THE COMMENCEMENT OF EARTH DISTURBING ACTIVITIES. THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION AND MAINTENANCE OF THE SWP3 MUST SIGN A CITY FORM ACKNOWLEDGING THEY HAVE REVIEWED AND UNDERSTAND THE CONDITIONS AND REQUIREMENTS OF THE SWP3 PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

GENERAL ROADWAY NOTES

- 1. ALL PAVEMENT SUB-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH CMSC ITEM 203, A SOILS REPORT, AND AS DIRECTED BY THE CITY. THE CITY WILL STRICTLY ADHERE TO THE COMPACTION REQUIREMENTS SET FORTH IN SECTION 203.12 OF THE CMSC AND BY ITEM 204, PROOF ROLLING. DENSITY TESTING MUST BE PERFORMED ON EACH LIFT OF FILL, AND THE SOILS ENGINEER PERFORMING THE TESTING MUST HAVE DETAILED LABORATORY TEST DATA ON SITE TO SUPPORT THE VALUES BEING UTILIZED IN THE DENSITY CALCULATIONS. THE MOISTURE CONTENT OF THE NEW FILL SHALL BE IN THE RANGE OF \pm 2% OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY ASTM D698. THE CITY RESERVES THE RIGHT TO REQUIRE DENSITY TESTING OF SUB-GRADE IN NEWLY CUT AREAS WHERE TOPSOIL HAS BEEN STRIPPED IN PREPARATION FOR SUB-BASE INSTALLATION OR FILLING OPERATIONS, IN ORDER TO EVALUATE THE NECESSITY FOR ADDITIONAL COMPACTION EFFORT.
- 2. ALL PAVEMENT JOINTS, PARTICULARLY WHERE A PROPOSED PAVEMENT ABUTS AN EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLES, CATCH BASINS, VALVE BOXES, ETC. MUST BE SEALED IN ACCORDANCE WITH CMSC ITEM 423 TYPE II
- 3. PAVEMENT CUTS FOR UTILITY LINE INSTALLATIONS ARE SUBJECT TO THE BACKFILL REQUIREMENTS OF ITEM 912. IN LIEU OF COMPACTED GRANULAR MATERIAL, FLOWABLE CONTROLLED DENSITY FILL, ITEM 636 TYPE-LL MAY BE USED. PAVEMENT SHALL BE CONSTRUCTED TO MATCH THE EXISTING SECTION OR NINE INCHES OF ITEM 448 ASPHALT CONCRETE, WHICHEVER IS GREATER. AS AN OPTION, THE CONTRACTOR MAY CHOOSE TO INSTALL A 7" CLASS "C" CONCRETE BASE EXTENDING 1'-0" BEYOND EITHER EDGE OF THE EXCAVATION, WITH 2" OF ITEM 448 ASPHALT WEARING COURSE PLACED ON TOP.
- 4. STEEL PLATES SHALL BE POSITIONED AND SECURED IN PLACE WITH STEEL SPIKES AND COLD PATCH ASPHALT MIX OVER ALL TRENCHES THAT ARE LEFT OPEN ON A TEMPORARY BASIS AND SUBJECT TO TRAFFIC.
- 5. CITY STREETS ARE TO BE KEPT CLEAN AND FREE FROM MUD, STONE, DIRT, ETC. A STABILIZED CONSTRUCTION ENTRANCE AS SPECIFIED IN THE PLANS IS TO BE DILIGENTLY MAINTAINED AT ALL SITE ENTRANCES THROUGHOUT THE DAY. PROACTIVE MEASURES MUST BE TAKEN TO RESTORE THESE ITEMS IF INCLEMENT WEATHER IS FORECASTED. IF THE ENTRANCE IS RENDERED INEFFECTIVE BY THE CITY, THE PROJECT WILL BE SHUT DOWN UNTIL A WASH STATION IS IMPLEMENTED AND/OR THE ENTRANCE IS MADE EFFECTIVE.
- 6. CONCRETE CURBS ARE TO BE BRANDED DURING PLACEMENT UTILIZING. BRAND CURBS ARE AS FOLLOWS:
 - A. S ON TOP OF CURB FOR SANITARY LATERAL LOCATIONS.

THE CONCRETE IS SET.

- B. W ON FACE OF CURB FOR WATER SERVICE BOX LOCATIONS.
- C. WV ON FACE OF CURB FOR HYDRANT WATCH VALVE LOCATIONS.
- D. WM ON FACE OF CURB FOR WATER MAIN VALVE LOCATIONS.E. SM ON FACE OF CURB FOR SANITARY/STORM MANHOLE LOCATIONS.
- F. BRANDS THAT ARE MISSED MUST BE MECHANICALLY GROUND INTO THE CURB AFTER
- 7. MONUMENT BOXES SHALL BE INSTALLED AT LOCATIONS DESIGNATED ON THE PLAN BY A REGISTERED PROFESSIONAL SURVEYOR WITH THE STATE OF OHIO. BOXES SHALL BE NEENAH R-1968, TYPE 36-B OR EAST JORDAN IRON WORKS NO. 8371. MONUMENTS ARE TO BE SET IN A CONCRETE FILLED 24" DIAMETER CORED HOLE. FLUSH WITH THE TOP OF THE PAVEMENT.
- 8. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE "OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS".
- 9. LANE RESTRICTIONS OR CLOSURES REQUIRED DURING CONSTRUCTION MUST BE APPROVED BY THE CITY (AND COUNTY/TOWNSHIP IF THEIR ROADS WILL BE USED FOR DETOUR) A MINIMUM OF TWO (2) WEEKS PRIOR TO ANY WORK BEING PERFORMED. OTHERWISE, TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC AT ALL TIMES AND INGRESS AND EGRESS SHALL BE MAINTAINED TO PUBLIC AND PRIVATE PROPERTY.
- 10. TACK COAT (CMSC ITEM 407) IS REQUIRED BETWEEN ALL LIFTS OF FLEXIBLE PAVEMENT, BETWEEN CONCRETE BASE AND ASPHALT SURFACE COURSE, AND ALONG THE CURB. THE TACK COAT APPLICATION MAY BE WAIVED AT THE DISCRETION OF THE INSPECTOR IF THE LIFTS OF ASPHALT ARE LAIN DOWN WITHIN SEVEN (7) DAYS OF EACH OTHER, THERE HAS BEEN NO WATER OR VEHICLE TRAFFIC ON THE PAVEMENT AND THE PAVEMENT IS CLEAN AND FREE OF DUST AND DEBRIS.
- 11. STANDARD ELECTRICAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS COVERING STREET LIGHTING FOR THE CITY OF COLUMBUS SHALL APPLY.
- 12. IN THE EVENT EXCAVATION FOR THE STREET IS FROM 0" 6" BELOW THAT CALLED FOR ON THE PLANS, THE CONTRACTOR SHALL REPLACE THIS EXCAVATED MATERIAL WITH COMPACTED ITEM 304 CRUSHED AGGREGATE AS DIRECTED AND AT NO COST TO THE CITY.
- 13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY BARRICADE THE STREET IN THE VICINITY OF ALL EXPANSION JOINTS UNTIL SUCH TIME THE STREET IS OPEN TO TRAFFIC.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE GRADES OF THE GUTTERS WITH WATER, PRIOR TO FINAL ACCEPTANCE OF THE STREETS.
- 15. THE CONTRACTOR SHALL PROVIDE TWO ROOF DRAIN OPENINGS IN THE CURB FOR EACH LOT; EACH OPENING LOCATED NOT MORE THAN 4' IN FROM EACH LOT LINE.
- 16. ALL SIDEWALKS AND PATHWAYS IN ANY PUBLIC RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY.

GENERAL STORM SEWER NOTES

- 1. UNLESS OTHERWISE NOTED ON THE PLANS ALL STORM SEWERS SHALL BE AS HEREAFTER SPECIFIED: (1) ALL SIZES OF STORM SEWER LOCATED WITHIN OR ACROSS PROPOSED OR EXISTING PAVEMENT AREAS SHALL BE TYPE B CONDUIT, 706.02, WITH TYPE 2 BEDDING; (2) STORM SEWER LOCATED OUTSIDE PAVEMENT AREAS SHALL BE TYPE C CONDUIT, 706.01, TYPE 2 BEDDING, FOR 15" AND SMALLER AND SHALL BE TYPE C CONDUIT, 706.02, TYPE 2 BEDDING, FOR 18" AND LARGER. THE FOLLOWING MODIFICATIONS TO OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SHALL APPLY: (1) GRANULAR BACKFILL MATERIAL SHALL BE AGGREGATE MEETING GRADATION OF ITEM 304, COMPACTED IN ACCORDANCE WITH ITEM 603.09, AND PLACED WITHIN LIMITS SHOWN ON THE PLAN INCLUDING AROUND ALL INLET STRUCTURES. GRANULAR BACKFILL SHALL EXTEND FROM THE BOTTOM OF THE TRENCH TO A PLANE 6" BELOW THE
- 2. FLEXIBLE STORM SEWERS (FOR PUBLIC STORM SEWER ONLY) WHEN APPROVED BY THE CITY ARE SUBJECT TO MANDREL TESTING AND/OR VIDEO INSPECTION AS DIRECTED BY THE CITY. TESTING SHALL BE PERFORMED NO SOONER THAN THIRTY (30) DAYS AFTER THE PIPE TRENCH HAS BEEN BACKFILLED AND ALL ROADWAY AND SITE FILLS OVER THE STORM LINES HAVE BEEN CONSTRUCTED. MAXIMUM DEFLECTION MUST NOT EXCEED 5% OF THE BASE INSIDE DIAMETER.
- 3. ALL STORM MANHOLES SHALL BE MARKED WITH A 4"X4"X 10'-0" PRESSURE TREATED WOODEN POST PROJECTING 4'-0" ABOVE THE FINISH GRADE AND WITH THE TOP 1'-0" PAINTED ORANGE ON 4 SIDES.
- 4. ALL MAJOR FLOOD ROUTES AND DETENTION BASINS ARE TO BE SURVEYED BY A REGISTERED PROFESSIONAL SURVEYOR IN THE STATE OF OHIO TO VERIFY CONFORMANCE TO THE APPROVED GRADING PLAN. COST OF THIS WORK SHALL BE AT THE EXPENSE OF THE OWNER/APPLICANT. CORRESPONDENCE FROM SAID REGISTERED PROFESSIONAL SURVEYOR SHALL BE PROVIDED TO THE CITY VERIFYING THAT BASINS AND FLOOD ROUTING IS PER PLAN.
- 5. ALL CATCH BASINS, MANHOLES, AND CURB INLETS SHALL HAVE CONCRETE CHANNELS POURED IN PLACE TO ASSURE POSITIVE DRAINAGE THROUGH THESE STRUCTURES.
- 6. PUBLIC STORM SEWER MANHOLE LIDS ARE TO BE PER THE REYNOLDSBURG STANDARD CONSTRUCTION DRAWING ST-7.
- 7. STORM SEWER CURB INLETS ARE TO BE ADJUSTED WITHIN 1/4" OF PLAN ELEVATION USING
- 8. PRE-CAST RINGS ARE TO BE USED FOR ALL FINAL ADJUSTMENTS OF MANHOLE CASTINGS. STORM MANHOLE TOP OF CASTINGS SHOULD BE SET AT 1-½" ABOVE FINISHED GRADE.
- 9. OPENINGS MUST BE PROVIDED IN DRAINAGE STRUCTURES TO ACCOMMODATE UNDERDRAIN OUTLETS. UNDERDRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DETAILS PROVIDED IN THE APPROVED PLANS.
- 10. AN OPERATION AND MAINTENANCE PLAN FOR DETENTION/RETENTION FACILITIES SHALL BE PROVIDED TO THE SERVICE DEPARTMENT (614.322.6810) AT THE PRECONSTRUCTION MEETING. THE CITY WILL NOT ACCEPT RESPONSIBILITY OF MAINTENANCE FOR DETENTION/RETENTION OR OTHER DRAINAGE FACILITIES UNLESS OTHERWISE APPROVED.

GENERAL WATER NOTES

- 1. ALL WATER PIPE AND FITTINGS, AND METHODS OF CONSTRUCTION AND WORKMANSHIP FOR WATER LINES AND APPURTENANCES SHOWN ON THESE PLANS MUST CONFORM TO THE RULES AND REGULATIONS OF THE CITY OF REYNOLDSBURG AND COC, UNLESS THE REQUIREMENTS OF SUCH RULES AND REGULATIONS ARE UPGRADED BY THE FOLLOWING NOTES.
- 2. ANY ACTIVITY RELATED TO THE USAGE OF THE PUBLIC WATER SYSTEM MUST HAVE PRE-APPROVAL FROM THE CITY. WORK REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS IS TO BE COORDINATED WITH THE WATER DEPARTMENT FORTY-EIGHT (48) HOURS PRIOR TO THE SCHEDULED WORK BEING PERFORMED. ALL AFFECTED CUSTOMERS SHALL BE NOTIFIED, IN WRITING, BY THE CONTRACTOR AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO SHUT DOWN. CITY APPROVAL OF NOTIFICATION IS REQUIRED PRIOR TO DISTRIBUTION.
- 3. ALL WATER MAINS 4" 10" SHALL BE D.I., CL53, AWWA C-151, OR PVC AWWA C-900, CL- 150. ALL WATER MAINS 12" OR LARGER SHALL BE D.I., CL54 OR NSF APPROVED. ALL BENDS, JOINT DEFLECTIONS AND FITTINGS SHALL BE BACKED WITH CONCRETE AS DETAILED AND AS DESIGNATED WHERE WATER MAINS OR SERVICES CROSS ROADWAYS, BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL CONSISTENT WITH CMSC ITEM 801.11.
- 4. ALL WATER MAINS SHALL BE CONSTRUCTED AT A DEPTH OF 4.5 FEET, AS MEASURE FROM THE PROPOSED GRADE TO THE TOP OF PIPE OF THE WATER MAIN, UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER. IN CASE OF CONFLICT IN GRADE BETWEEN THE WATER LINE AND STORM SEWERS, THE WATER LINE SHALL BE LOWERED DURING CONSTRUCTION. WATER SERVICE TAPS SHALL NOT TO BE PLACED ON THE LOWERED SECTION OF THE WATER LINE. WATER SERVICE TAPS SHALL NOT BE PLACED WITHIN 10 FEET OF ANY PERMANENT STRUCTURE (I.E., FIRE HYDRANT, STORM SEWER INLET, ETC.).
- 5. POLY WRAP CONSISTENT WITH AWWA C-105 SHALL BE INCLUDED ON ALL PROPOSED DUCTILE IRON WATER MAINS AND HYDRANT LEADS.
- 6. ALL PIPING 2" OR LESS IN DIAMETER BETWEEN THE WATER MAIN AND THE CONTROL VALVE OR METER PIT MUST CONFORM IN ALL RESPECTS REYNOLDSBURG STANDARD CONSTRUCTION DRAWING WA-4. FITTINGS ARE NOT PERMITTED BETWEEN THE WATER MAIN CONNECTION AND THE CONTROL VALVE.
- 7. DEAD-END WATER LINES MUST TERMINATE WITH A GATE VALVE AND FIRE HYDRANT FOLLOWED BY A MAIN LINE VALVE AND AN ADDITIONAL SECTION OF WATER LINE PLUGGED AND BLOCKED. MAXIMUM LENGTHS ARE SUBJECT TO MODIFICATION BASED ON CITY REVIEW, AND MAY REQUIRE SUBMITTAL OF CALCULATIONS SHOWING ADEQUATE FIRE FLOW AND DAILY TURNOVER. REFER TO REYNOLDSBURG STANDARD DRAWING WA-16 FOR WATER SERVICE DETAILS AT A CUL-DE-SAC.
- 8. ALL MAIN LINE VALVES, HYDRANT WATCH VALVES, CURB BOXES, AND DEAD END LINES ARE TO BE MARKED WITH A 4" X 4" X 10'-0" POST WITH 4'-0" PROJECTING ABOVE THE FINISHED GRADE AND THE TOP 1'-0" PAINTED BLUE ON FOUR (4) SIDES.
- 9. IF THERE ARE ANY CONFLICTS IN GRADE BETWEEN WATER LINE AND GRAVITY SEWERS, THE WATER LINES SHALL BE LOWERED DURING CONSTRUCTION.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OR BEND IN THE WATER LINE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECT WATER LINES TO PROVIDE 18 INCHES VERTICAL AND 10'-0" HORIZONTAL CLEARANCE FROM SANITARY AND STORM SEWERS.
- 11. ALL WATER SERVICE CONNECTIONS SHALL INCLUDE CORPORATION STOPS, SERVICE PIPE, AND EITHER CURB STOPS AND BOXES (FOR 2" AND SMALLER), GATE VALVE AND BOX (FOR 3" TO 8"). WHERE POSSIBLE, THE CURB STOPS AND BOX SHALL BE SET IN THE ROAD RIGHT-OF-WAY 6" FROM THE PROPERTY LINE.
- 12. ALL MECHANICAL FASTENERS, BOLTS, ALL THREAD ROD, ETC. ARE TO RECEIVE ONE (1) COAT OF RUST INHIBITIVE PAINT OR COATING.
- 13. IF THE TOP OF THE OPERATING NUT IS MORE THAN 48" INCHES BELOW FINISHED GRADE, AN EXTENSION STEM MUST BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 36" OF FINISHED GRADE ELEVATION.
- 14. FIRE HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE MUELLER COMPANY

"CENTURION" 200, NO A-421, AMERICAN DARLING MARK 73, OR CLOW MEDALLION, FIRE HYDRANTS. THE HYDRANTS SHALL HAVE A 6-INCH MECHANICAL JOINT INLET CONNECTION, A 4 ½ -INCH MAIN VALVE OPENING, TWO 2½-INCH HOSE NOZZLES, AND ONE 5-INCH STORTZ PUMPER NOZZLE. ALL SIDE NOZZLES SHALL HAVE NATIONAL STANDARD THREADS. HYDRANTS SHALL BE FURNISHED WITH A 5-FOOT BURY DEPTH UNLESS OTHERWISE SHOWN ON THE PLANS. HYDRANTS SHALL BE SELF-DRAINING. A DRAINAGE SUMP 2 FEET IN DIAMETER AND 2 FEET DEEP SHALL BE EXCAVATED BELOW EACH HYDRANT AND FILLED WITH COARSE GRAVEL OR STONE, COMPACTED IN PLACE, UNDER AND AROUND THE SHOE OF THE HYDRANT AND TO A LEVEL OF 6 INCHES ABOVE THE WASTE OPENING. NO DRAINAGE SUMP SHALL BE CONNECTED TO A SANITARY SEWER. A HYDRANT WRENCH SHALL BE FURNISHED WITH EACH PROJECT OR FOR EVERY TEN (10) HYDRANTS.

- 15. ALL NEW FIRE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF ENAMEL PAINT (RUST-OLEUM® ACRYLIC FIRE HYDRANT ENAMEL, 5200 SERIES, OR CITY APPROVED EQUAL). PUBLIC HYDRANTS SHALL BE "SAFETY YELLOW" AND PRIVATE HYDRANTS SHALL BE "GLOSS WHITE" WITH A "MARLIN BLUE" BONNET.
- 16. ALL NEW MAIN LINE AND HYDRANT WATCH VALVES ARE TO BE DIRECTLY ANCHORED TO THE TEE AND BE ANCHOR TYPE FITTINGS.
- 17. FOR WATER SERVICE TAPS, THE WATER MAIN CONNECTION MUST BE MADE USING A MUELLER H15000, H15008 OR EQUAL CORPORATION STOPS. CONTROL VALVES MUST BE MUELLER H-15200, H15207, OR EQUAL VALVE CURB STOPS (QUARTER TURN ONLY). SEE REYNOLDSBURG STANDARD CONSTRUCTION DRAWING WA-4 FOR ADDITIONAL DETAILS.
- 18. REFER TO REYNOLDSBURG STANDARD CONSTRUCTION DRAWING WA-15 FOR TAPPING SLEEVES AND VALVES. NO DIRECT TAPS MUST BE MADE TO ANY ASBESTOS MAINS. 1 ½" AND 2" WATER TAPS ARE TO BE DONE WITH A FORD STYLE FC-202. 3" AND 4" WATER TAPS MUST BE DONE WITH A FORD STYLE FS-202. 6" WATER TAPS AND LARGER MUST BE PERFORMED WITH A FORD FTSS TAPPING SLEEVE, A JCM 432 OR AN APPROVED EQUAL.
- 19. ALL GATE VALVES MUST BE DUCTILE IRON RESILIENT WEDGE 250 PSI AS MANUFACTURED BY AMERICAN FLOW CONTROL OR APPROVED EQUIVALENT WHICH MEETS OR EXCEEDS THE REQUIREMENTS OF ANSI/AWWA C509. CLOW VALVE COMPANY, MODEL NUMBER 2638 APPROVED FOR 16". 6" AND 8" MUST BE DUCTILE IRON AND EPOXY COATED.
- 20. VALVE BOXES ARE TO BE TYLER 6850 SERIES CAST IRON 2-PIECE SCREW TYPE FOR MAIN AND WATCH VALVES AND TYLER 6500 SERIES CAST IRON 2-PIECE SCREW TYPE SERVICE BOXES FOR CURB VALVES. STAR PIPE PRODUCTS 2- PIECE SCREW TYPE VALVE BOX ITEM CODE VB5645 39-50 OR APPROVED EQUAL. SEE REYNOLDSBURG STANDARD CONSTRUCTION DRAWING WA-9 FOR ADDITIONAL DETAILS.
- 21. WHERE AND AS SHOWN ON THE PLANS, THE WATER SERVICES SHALL BE EXTENDED FROM THE NORMAL LOCATIONS OF THE PERMANENT BOX AND CURB STOP SO ITS TERMINUS POINT WITH COPPER TYPE K AND A TEMPORARY BOX SET AT THE END OF THE EXTENSION.
- 22. WATER DISTRIBUTION SYSTEM IMPROVEMENTS MUST BE DESIGNED SUCH THAT THE WORKING PRESSURE SHOULD NOT BE LESS THAN 35 PSI DURING PEAK FLOW CONDITIONS, OR MINIMUM OF 20 PSI DURING PEAK FLOW PLUS FIRE FLOW CONDITIONS. INDIVIDUAL BOOSTER PUMPS FOR THE PURPOSE OF RAISING SUPPLY LINE PRESSURE WILL NOT BE PERMITTED.
- 23. ALL METERS SPECIFIED FOR THIS PROJECT WILL BE PROVIDED BY AND PURCHASED FROM THE CITY OF REYNOLDSBURG. CONTACT THE CITY OF REYNOLDSBURG WATER DEPARTMENT (614.322.4500) FOR ORDERING AND PRICING.
- 24. METER PITS, INCLUDING ALL PIPING, FITTINGS, EQUIPMENT, AND APPURTENANCES, MUST BE APPROVED BY THE CITY THROUGH A SCHEDULED FIELD INSPECTION DURING THE INSTALLATION. METER PITS UNABLE TO BE PROVIDED WITH A GRAVITY DRAIN MUST BE EQUIPPED WITH A SUMP PUMP. SEE REYNOLDSBURG STANDARD CONSTRUCTION DRAWING WA-29 FOR ADDITIONAL DETAILS
- 25. A HYDROSTATIC TEST, AS REQUIRED IN SECTION 4 OF THE STANDARD AWWA SPECIFICATION C-600, SHALL BE APPLIED TO THE WHOLE OR INDIVIDUAL VALVED OFF SECTIONS OF THE MAINS AND FIRE HYDRANT LEADS, EITHER BEFORE OR AFTER THE TRENCH IS BACKFILLED, IN ACCORDANCE WITH SECTION 801.11 OF THE CITY OF REYNOLDSBURG GENERAL WATER MAIN SPECIFICATIONS.
- 26. ALL WATER MAINS 12" AND LARGER SHALL BE CLEANED BY PASSING A PROPERLY SIZED POLY PIG THROUGH THE PIPE. THE POLY PIG SHALL HAVE A MINIMUM DENSITY OF FIVE (5) POUNDS PER CUBIC FOOT, BE COATED WITH A DOUBLE SPIRAL WRAP WITHOUT WIRE BRUSHES OR SCRAPING TOOLS. APPROVED POLY PIGS INCLUDE: PIPELINE PIGGING PRODUCTS MODEL B4, GIRARD MODEL RCC, AND KNAPP MODEL 1-C.
- 27. THE CONTRACTOR SHALL PREPARE THE MAIN FOR THE INSERTION AND REMOVAL OF THE POLY PIG AT POINTS IDENTIFIED BY THE ENGINEER AS INSERTION PORTS, IF REQUIRED, AND EXIT PORTS. IN GENERAL, THIS WILL CONSIST OF PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR TO INSERT THE POLY PIG AND CONSTRUCT A SANITARY EXIT PORT. WHERE PRACTICAL, THE POLY PIG SHALL BE INSERTED INTO THE FIRST LENGTH OF PIPE DURING THE INITIAL INSTALLATION. AT THE EXIT PORT, THE CONTRACTOR SHALL PREVENT THE BACKFLOW OF PURGED WATER INTO THE MAIN BY THE TEMPORARY INSTALLATION OF MECHANICAL JOINT BENDS AND PIPE JOINTS TO PROVIDE A RISER OUT OF THE TRENCH. ON LARGER PIPE, ADDITIONAL EXCAVATION OF THE TRENCH MAY SERVE THE SAME PURPOSE. WHERE TRENCH IS USED, THE EXCAVATION SHALL BE LINED WITH POLYETHYLENE. PUMPS AND/OR DITCHES SHALL BE PROVIDED TO PREVENT CONTAMINATED WATER FROM REENTERING THE MAIN. AFTER THE MAIN IS CLEANED TO THE SATISFACTION OF THE CITY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY CONSTRUCTIONS AND COMPLETE ALL WORK NECESSARY TO SECURE THE SYSTEM PRIOR TO BACKFILLING INSERTION AND EXIT SITES. ADDITIONAL POLY PIG RUNS MAY BE REQUIRED BY THE ENGINEER WHEN WATER PURGED FROM THE MAIN INDICATES THE PRESENCE OF EXCESSIVE DIRT OR DEBRIS.
- 28. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO HAVE THE WATER MAINS CHLORINATED BY THE COC PER AWWA C-651. THE COST OF CHLORINATION IS THE RESPONSIBILITY OF THE CONTRACTOR
- 29. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND SPECIAL CONDITIONS OF THE OHIO EPA PLAN APPROVAL ISSUED TO THIS PROJECT.

COLUMBUS **METROPOLITAN**



FUCTUREFUINE.
INC.
OF, Ste 300 | Columbus, Ohio 43231



US METROPOLITAN LIBRARY US, FRANKLIN COUNTY, OHIO

UMB

0

REVISIONS DATE SHEET NO. DESCRIPTION

DATE: 10/5/2022
DRAWN BY: HSR
CHECKED BY: GPB
JOB NUMBER: 2018.02280

2/12

Ohio Utilities Protection Service

2. CLEAN WATER CONNECTIONS PROHIBITED: ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT.

3. THE MINIMUM REQUIREMENT FOR SEWER PIPE ON THIS PROJECT MUST BE SDR 35 (SDR-26 IF DEPTH EXCEEDS 20'), ASTM D3034 POLYVINYL CHLORIDE (PVC) SEWER PIPE WITH ASTM C1784 CELL CLASSIFICATION OF 12454 B OR 12454 C, ASTM F679 PVC SEWER PIPE ASTM CELL CLASSIFICATION 12454, OR CCFRPM, ASTM D3262-TYPE 1, LINER 2, GRADE 3, STIFFNESS 72 PSI, UNLESS OTHERWISE SHOWN ON THE PLANS. PIPE MANUFACTURERS MUST BE ON THE CURRENT COC APPROVED LIST.

4. PIPE FOR ALL 6" SANITARY SERVICES SHALL BE PVC PLASTIC SEWER PIPE, ASTM D-3034, SDR-35. SERVICES ARE SUBJECT TO THE INFILTRATION, EXFILTRATION, OR AIR TEST. ALL SERVICE EXTENSIONS SHALL BE LAID AT A MINIMUM GRADE OF 2.08% AND SHALL BE CONSTRUCTED AT THE TIME OF CONSTRUCTION OF THE MAIN SEWER, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SANITARY SERVICE CONNECTIONS SHALL NOT BE CONNECTED TO THE SERVICES OR MAIN LINE SEWERS UNTIL FULL APPROVAL OF SAID SERVICES AND MAIN LINE SEWER HAS BEEN RECEIVED.

5. ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, **CURRENT VERSION**

PUBLIC SANITARY MANHOLE COVERS ARE TO BE CONSISTENT WITH REYNOLDSBURG STANDARD DRAWING

ALL SANITARY MANHOLES AND LATERAL SERVICES ARE TO BE MARKED WITH A 4"X4"X10'-0" PRESSURE TREATED WOOD POST WITH 4'-0" PROJECTING ABOVE THE FINISHED GRADE AND WITH THE TOP 1'-0" PAINTED GREEN ON 4 SIDES. ADDITIONALLY A 2"X2" HARDWOOD WYE POLE IS TO BE WIRED TO THE BASE OF EACH 4"X4" POLE AND EXTENDED DOWN TO THE END OF EACH LATERAL SERVICE. COST TO BE INCLUDED IN THE VARIOUS SEWER ITEMS.

8. WHERE THE COVER TO FINISHED GRADE OVER A SANITARY WYE IS IN EXCESS OF 12'-0", A LENGTH OF RISER PIPE AND A 45° BEND MUST BE INSTALLED ALONG WITH A MINIMUM OF ONE WHOLE LENGTH OF 6" PIPE SUCH THAT THE END OF THE SERVICE WILL BE 10'-0" BELOW GRADE. ALL SANITARY LINES AND SERVICES ARE TO BE DESIGNED AND INSTALLED SO AS TO PROVIDE BASEMENT SERVICE. RISER EXTENSIONS SHALL BE A MINIMUM OF THREE (3) FEET IN LENGTH.

9. WHERE THE SANITARY SEWER CROSSES UNDER A PROPOSED STORM SEWER OR WATERLINE THE TRENCH MUST BE BACKFILLED TO THE BOTTOM OF THE PROPOSED STORM SEWER OR WATERLINE WITH COMPACTED GRANULAR MATERIAL ITEM 912, FOR A LENGTH OF 10 LF CENTERED ON THE STORM SEWER OR WATERLINE

10. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST VERIFY EXISTING TIE-IN MANHOLE FLOW LINE AND TOP-OF-CASTING ELEVATION. MANHOLES ARE TO BE BUILT OR ADJUSTED SO THE TOPS CONFORM TO THE ELEVATIONS SHOWN ON THESE PLANS.

11. ALL PIPES MUST BE INSTALLED WITH STONE OR GRAVEL BEDDING AS SHOWN IN THE STANDARD CONSTRUCTION DRAWING R1-A.

12. THE CONTRACTOR SHALL INSTALL A TEMPORARY BULKHEAD, WHERE DIRECTED ON THE PLANS, PRIOR TO CONSTRUCTION OF THE PROPOSED SANITARY SEWERS AND SHALL MAINTAIN SAME UNTIL SAID SEWERS ARE ACCEPTED BY THE ENGINEER.

13. SANITARY LATERALS INSTALLED IN A COMMON TRENCH ARE TO BE INSTALLED WITH A MINIMUM 2'-0" CENTER TO CENTER SEPARATION OF PIPES IN A 4'-0" MINIMUM TRENCH WITH A 1'-0" MINIMUM BEDDING AROUND PIPES. PIPE ENDS ARE TO BE FLARED TO A MINIMUM 10'-0" CENTER TO CENTER SEPARATION OF PIPES AT 5'-0" FROM THE PROPERTY LINE.

14. ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST PRODUCTS SHALL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PRODUCTS HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEET THEIR SPECIFICATIONS. PRECAST CONCRETE PRODUCTS WITHOUT PROPER IDENTIFICATION OF INSPECTION WILL NOT BE PERMITTED FOR INSTALLATION.

15. WHERE THE SANITARY SEWER CROSSES A PROPOSED OR EXISTING PAVEMENT. THE TRENCH SHALL BE BACKFILLED WITH GRANULAR MATERIAL MEETING THE GRADATION SET FORTH IN ITEM 304. AND COMPACTED IN ACCORDANCE WITH ITEM 603.09, FROM THE BOTTOM OF THE TRENCH TO A PLANE 6" BELOW THE SUBGRADE. THE LIMITS OF PLACEMENT SHALL BE FROM FIVE (5) FEET BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB TO FIVE (5) FEET BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB. ALL OTHER TRENCH BACKFILL SHALL BE COMPACTED TO A SOIL DENSITY AT LEAST EQUAL TO THAT OF THE ADJACENT UNDISTURBED SOIL IN THE AREA. GRANULAR MATERIAL SHALL BE USED ABOVE THE TOP OF THE PIPE TO A SUFFICIENT DEPTH TO ACHIEVE ADEQUATE COMPACTION WITHOUT CRUSHING THE PIPE.

16. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND SPECIAL CONDITIONS OF THE OHIO EPA PERMIT TO INSTALL ISSUED FOR THE PROJECT.

17. THE SANITARY SEWER MEETS OR EXCEEDS CITY OF COLUMBUS DESIGN STANDARDS (INCLUDING PER CAPITA FLOW, PEAKING FACTOR, AND I/I ALLOWANCE) AND MATERIAL SPECIFICATIONS.

THE CONTRACTOR SHALL TELEVISE AND PROVIDE THE CITY OF REYNOLDSBURG IN A DVD FORMAT THE RECORDINGS DOCUMENTING THE CONDITION OF THE PIPE AFTER MANDREL TESTING. THESE RECORDING MUST BE REVIEWED AND APPROVED BY THE CITY PRIOR TO ACCEPTANCE.

SANITARY MATERIAL AND TESTING SPECIFICATIONS

ALL SANITARY SEWER LINES SHALL ADHERE TO ASTM D3034 FOR MATERIALS SPECIFICATIONS, ASTM D3212 FOR JOINT SPECIFICATIONS, AND ASTM D2321 FOR BEDDING CLASSIFICATIONS

ALL SANITARY MANHOLES SHALL ADHERE TO ASTM C478 FOR MATERIAL SPECIFICATION AND ASTM C443 FOR JOINT SPECIFICATION

ALL SANITARY SEWER LINES SHALL BE AIR TESTED FOR LEAKAGE IN ACCORDANCE WITH GLUMRB 33.9

ALL SANITARY SEWER LINES SHALL BE TESTED FOR PIPE DEFLECTION IN ACCORDANCE WITH GLUMRB 33.85

ALL SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH GLUMRB 34.7

EARTHWORK NOTES:

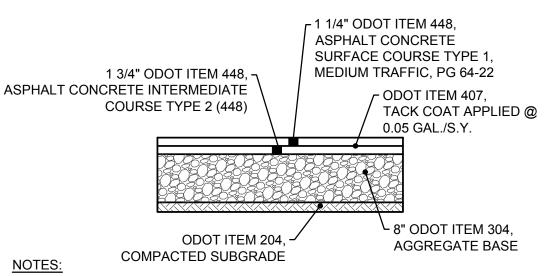
EXCAVATE AND REMOVE UNSUITABLE MATERIAL AS DEFINED IN THE GEOTECHNICAL ENGINEERING REPORT, OF WHICH SHALL BE CONSIDERED A PART OF THESE CONTRACT DOCUMENTS:

STRIP AND STOCKPILE EXISTING TOPSOIL WITHIN GRADING/SEEDING LIMITS. FINAL STOCKPILE LOCATION TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER. SEED STOCKPILES IN ACCORDANCE WITH SPECIFICATIONS ON EROSION CONTROL PLAN, SEE SHEET 11. REFER TO GEOTECHNICAL REPORT FOR EXISTING TOPSOIL DEPTHS.

SUBSEQUENT TO TOPSOIL REMOVAL, BENEATH PAVEMENT AREAS AND PROPOSED BUILDING PAD, PROOF-ROLL EXPOSED SUBGRADE WITH A FULLY-LOADED, TANDEM-AXLE DUMP TRUCK (OR EQUIVALENT) TO IDENTIFY POTENTIAL UNSUITABLE AND UNSTABLE SUBGRADE AREAS. IN LOCATIONS WHERE PROOF-ROLLING HAS FAILED, SOILS SHALL BE DISKED, DRIED AND RECOMPACTED, OR UNDERCUT AND REPLACED WITH COMPACTED ENGINEERED FILL, OR OTHERWISE IMPROVED AS DETERMINED BY THE TESTING AGENCY. IN AREAS WHERE OVER EXCAVATION HAS BEEN CHOSEN TO IMPROVE SUBGRADE, STOCKPILE OVER EXCAVATED SOILS FOR REUSE AS ENGINEERED FILL OR AS GENERAL SITE FILL IN LANDSCAPING AREAS.

	VERTICAL RESTRAINT JOINT (FIRE LOOP) - PSI							
	FITTING TYPE	UPPER BAND RESTRAINT LENGTH (FT)	LOW SIDE DEPTH	LOWER BAND RESTRAINT LENGTH (FT)	THRUST (LBS)			
	22.5° BEND	15	6	3	3,766			
	45° BEND	31	6	6	7,386			
8"	22.5° BEND	15	7	3	3,766			
0	45° BEND	31	7	6	7,386			
	22.5° BEND	15	8	3	3,766			
	45° BEND	31	8	5	7,386			
	22.5° BEND	18	6	4	5,664			
	45° BEND	37	6	8	11,110			
10"	22.5° BEND	18	7	4	5,664			
10	45° BEND	37	7	7	11,110			
	22.5° BEND	18	8	3	5,664			
	45° BEND	37	8	6	11,110			
	22.5° BEND	21	6	5	8,010			
	45° BEND	44	6	9	15,712			
12"	22.5° BEND	21	7	4	8,010			
	45° BEND	44	7	8	15,712			
	22.5° BEND	21	8	4	8,010			
	45° BEND	44	8	8	15,712			

HORIZONTAL RESTRAINT JOINT (FIRE LOOP) - 150 PSI						
	FITTING TYPE RESTRAINT LENGTH (FT) THRUST (I					
	22.5° BEND	4	3,766			
8"	45° BEND	8	7,386			
	90° BEND	19	13,647			
	22.5° BEND	5	5,664			
10"	45° BEND	9	11,110			
	90° BEND	22	20,529			
	22.5° BEND	6	8,010			
12"	45° BEND	11	15,712			
	90° BEND	26	29,031			



1. COMPOSE HOT MIX ASPHALT MIXTURE WITH AGGREGATE AND ASPHALT BINDER MEETING ODOT 401 REQUIREMENTS.

2. SUBMIT AN APPROVED JOB MIX FORMULA INCLUDING MIX TYPE PROPOSED FOR USE, AGGREGATE SOURCE, TYPE, AND GRADATION, PERCENT OF ASPHALT BINDER, AND UNIT WEIGHT OF THE MIXTURE.

3. OBTAIN JOB MIX FORMULA APPROVAL BY PROVIDING A PREVIOUSLY ODOT APPROVED FORMULA OR CONTRACT AN INDEPENDENT TESTING AGENCY TO PROVIDE TESTING AND WRITTEN APPROVAL OF THE FORMULA. THE AGENCY PERFORMING THE TESTING MUST BE LEVEL III BITUMINOUS CONCRETE APPROVED BY ODOT

LIGHT DUTY ASPHALT PAVEMENT

· 1 1/2" ODOT ITEM 448, **ASPHALT CONCRETE** SURFACE COURSE TYPE 1 MEDIUM TRAFFIC, PG 64-22 2 1/2" ODOT ITEM 448, -ASPHALT CONCRETE INTERMEDIATE PAVEMENT DESIGN IS COURSE TYPE 2 (448) NOT BASED ON A - ODOT ITEM 407, GEOTECHNICAL TACK COAT APPLIED @ → 0.05 GAL./S.Y. STRUCTUREPOINT IS NOT RESPONSIBLE FOR PAVEMENT DESIGN. - 10" ODOT ITEM 304,

1. COMPOSE HOT MIX ASPHALT MIXTURE WITH AGGREGATE AND ASPHALT BINDER MEETING ODOT 401 REQUIREMENTS.

AGGREGATE BASE

2. SUBMIT AN APPROVED JOB MIX FORMULA INCLUDING MIX TYPE PROPOSED FOR USE, AGGREGATE SOURCE, TYPE, AND GRADATION, PERCENT OF ASPHALT BINDER, AND UNIT WEIGHT OF THE MIXTURE.

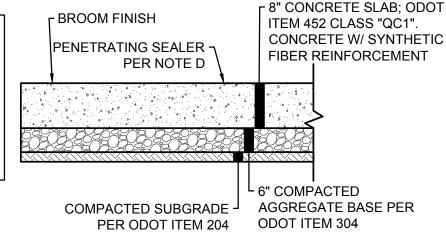
OBTAIN JOB MIX FORMULA APPROVAL BY PROVIDING A PREVIOUSLY ODOT APPROVED FORMULA OR CONTRACT AN INDEPENDENT TESTING AGENCY TO PROVIDE TESTING AND WRITTEN APPROVAL OF THE FORMULA. THE AGENCY PERFORMING THE TESTING MUST BE LEVEL III BITUMINOUS CONCRETE APPROVED BY ODOT

B HEAVY DUTY ASPHALT PAVEMENT

ODOT ITEM 204,

COMPACTED SUBGRADE

PAVEMENT DESIGN IS NOT BASED ON A **GEOTECHNICAL ENGINEERS** RECOMMENDATION. **AMERICAN** STRUCTUREPOINT IS NOT RESPONSIBLE FOR PAVEMENT DESIGN.



1. PROVIDE PROPORTIONING REQUIREMENTS FOR PORTLAND CEMENT CONCRETE MIX DESIGNS, MIXING, AND CONTROLS PER ODOT ITEM 499.

2. SYNTHETIC FIBER REINFORCEMENT: ASTM C1116. ACCEPTABLE PRODUCTS INCLUDE,

BUT ARE NOT LIMITED: A. NYCON NYLON FIBERS

B. FORTA NYLO-MONO NYLON FIBERS

C. FIBERMESH FIBERMIX STEALTH POLYPROPYLENE FIBERS

D. GRACE POLYPROPYLENE FIBERS

E. TUFF STRAND OR APPROVED EQUAL

SYNTHETIC FIBER REINFORCEMENT SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER, BUT NOT LESS THAN 1 POUND PER CUBIC YARD.

DISSIPATING CURING COMPOUND: COMPLY WITH ASTM C309, TYPE 1, CLASS A OR B (CLEAR), EXCEPT MOISTURE LOSS NOT TO EXCEED 0.40 KG/SQ M. IN 72 HOURS. COMPOUND SHALL COMPLY WITH EPA'S VOC REQUIREMENTS. APPLY AT THE MANUFACTURER'S WRITTEN RECOMMENDED APPLICATION RATE. COMPLETELY REMOVE CURING COMPOUND PRIOR TO THE APPLICATION OF PENETRATIONS SEALER.

4. PENETRATING SEALER: ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED TO:

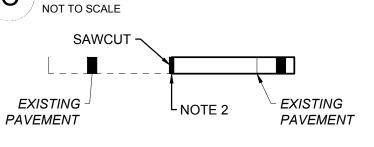
A. L&M CONSTRUCTION CHEMICALS - AQUAPEL PLUS

B. PROSOCO - SALTGUARD WB

C. PROTECTOSIL - CHEM-TRETE 40 VOC D. LYMTAL INTERNATIONAL - ISO-FLEX 618-50 WB

E. BASF - MASTER PROTECT H 400

F. TEX-COTE - RAINSTOPPER RS1500 HEAVY DUTY CONCRETE PAVEMENT



PAVEMENT DESIGN IS

RECOMMENDATION.

STRUCTUREPOINT IS

PAVEMENT DESIGN.

ENGINEERS

AMERICAN

RECOMMENDATION.

NOT RESPONSIBLE FOR

NOT BASED ON A

GEOTECHNICAL

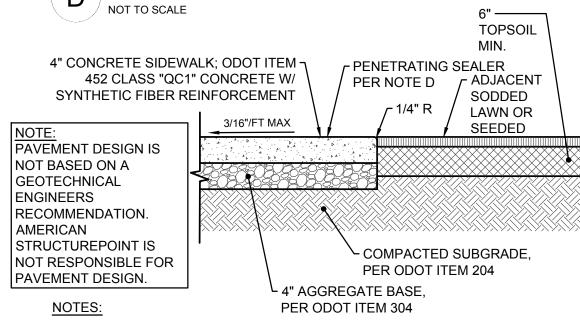
ENGINEERS

AMERICAN

1. PROPOSED ASPHALT PAVEMENT REPLACEMENT SHALL BE A MINUMUM OF 2'-0" IN WIDTH FROM THE EXISTING EDGE OF PAVEMENT.

2. PROVIDE CRACK SEALING PER ODOT ITEM 423 BETWEEN EXISTING AND PROPOSED PAVEMENT.

PAVEMENT MATCHING



A. PROVIDE PROPORTIONING REQUIREMENTS FOR PORTLAND CEMENT CONCRETE MIX DESIGNS, MIXING, AND CONTROLS PER ODOT ITEM 499.

SYNTHETIC FIBER REINFORCEMENT: ASTM C1116. ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED:

1. NYCON NYLON FIBERS 2. FORTA NYLO-MONO NYLON FIBERS

3. FIBERMESH FIBERMIX STEALTH POLYPROPYLENE FIBERS 4. GRACE POLYPROPYLENE FIBERS

5. TUFF STRAND OR APPROVED EQUAL

SYNTHETIC FIBER REINFORCEMENT SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER, BUT NOT LESS THAN 1 POUND PER CUBIC YARD.

C. DISSIPATING CURING COMPOUND: COMPLY WITH ASTM C309, TYPE 1, CLASS A OR B (CLEAR), EXCEPT MOISTURE LOSS NOT TO EXCEED 0.40 KG/SQ M. IN 72 HOURS. COMPOUND SHALL COMPLY WITH EPA'S VOC REQUIREMENTS. APPLY AT THE MANUFACTURER'S WRITTEN RECOMMENDED APPLICATION RATE. COMPLETELY REMOVE CURING COMPOUND PRIOR TO THE APPLICATION OF PENETRATIONS SEALER.

D. PENETRATING SEALER: ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED

1. L&M CONSTRUCTION CHEMICALS - AQUAPEL PLUS

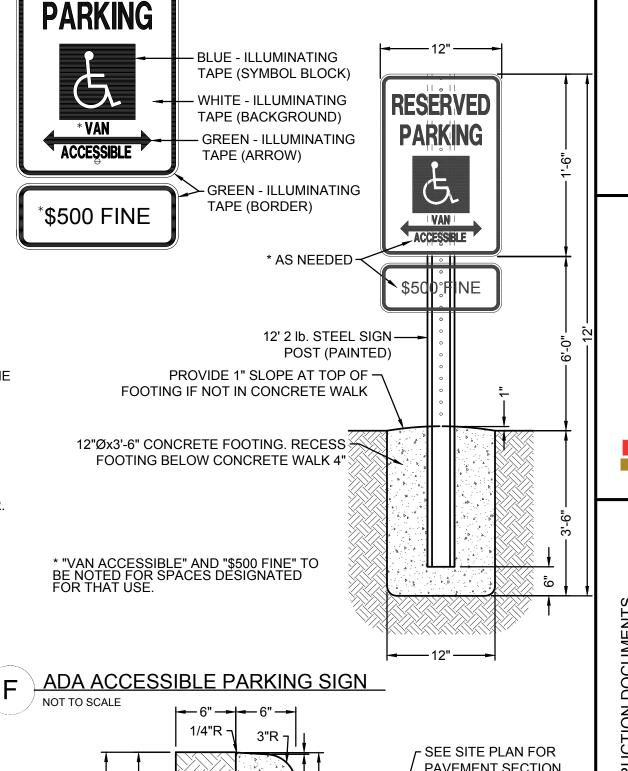
2. PROSOCO - SALTGUARD WB

3. PROTECTOSIL - CHEM-TRETE 40 VOC 4. LYMTAL INTERNATIONAL - ISO-FLEX 618-50 WB

5. BASF - MASTER PROTECT H 400 6. TEX-COTE - RAINSTOPPER RS1500

SIDEWALK WITHIN THE R/W SHALL BE PER REYNOLDSBURG STANDARD **DRAWING R-9**

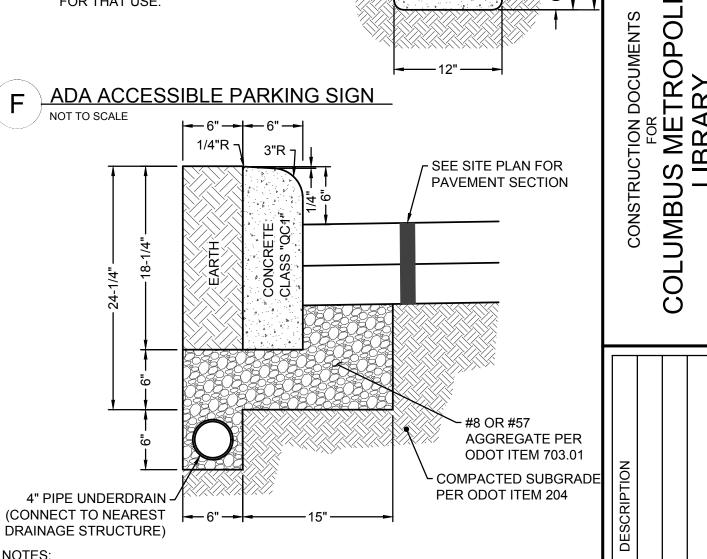
CONCRETE SIDEWALK



GREEN - ILLUMINATING

TAPE (LETTERS)

RESERVED

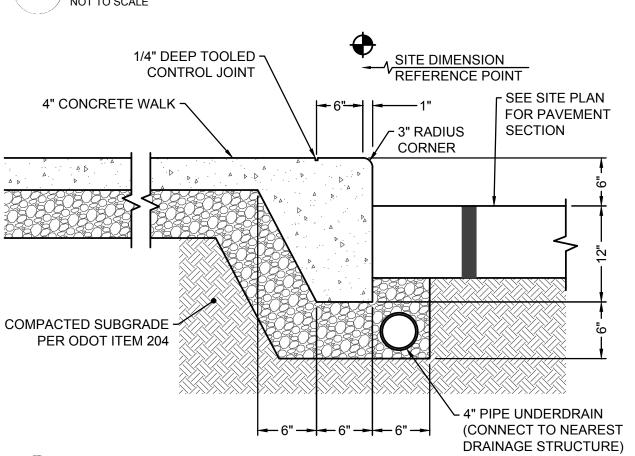


CURB PLACEMENT IN THE R/W SHALL BE PER REYNOLDSBURG STANDARD DRAWING R-8, OR PER R-12 FOR DRIVEWAY.

ALL EXPOSED SURFACES OF CONCRETE CURB TO BE FLOATED AND

BRUSH FINISHED, UNLESS PLACED BY A CURB MACHINE.

STRAIGHT 18 IN CONCRETE CURB WITH UNDERDRAIN NOT TO SCALE



INTEGRAL CONCRETE WALK AND CURB

3/12

CHECKED BY: GPB

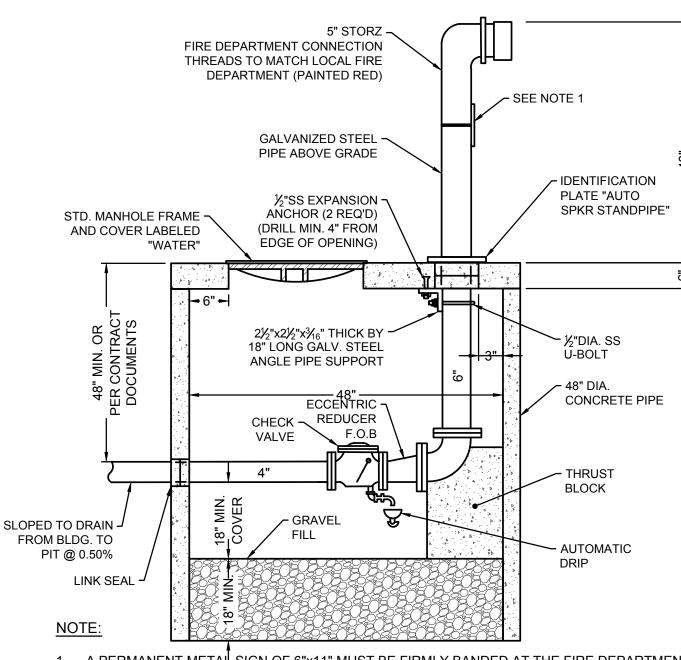
JOB NUMBER: 2018.02280

10/5/2022

HSR

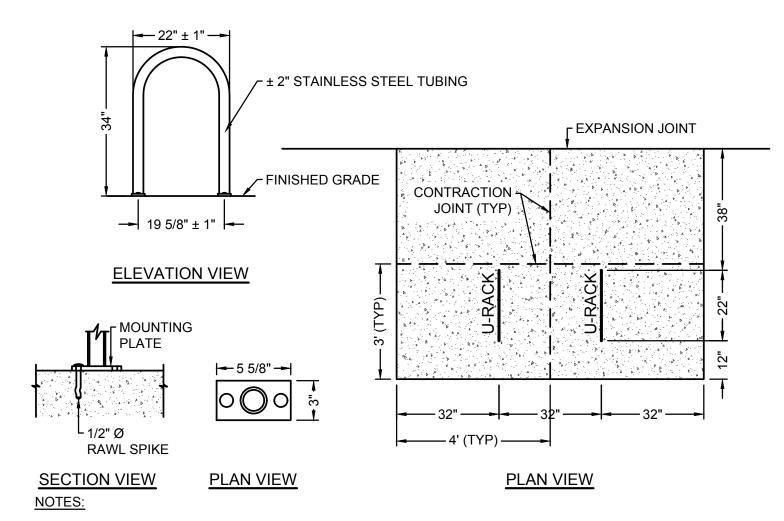
DATE:

DRAWN BY:



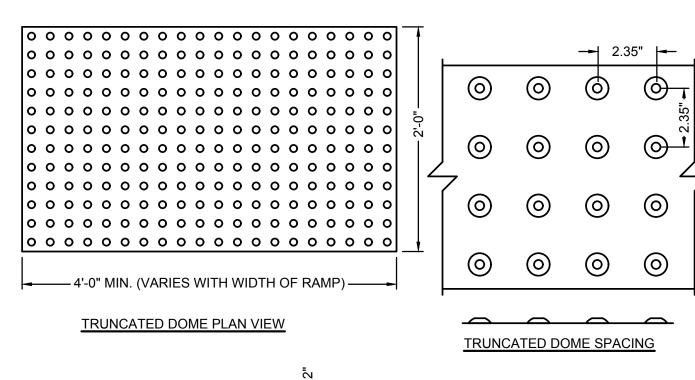
- 1. A PERMANENT METAL SIGN OF 6"x11" MUST BE FIRMLY BANDED AT THE FIRE DEPARTMENT CONNECTION RISER WITH LETTERS OR NUMBERS, A MINIMUM OF 2 INCHES IN HEIGHT, WITH THE FOLLOWING:
 - A. "FDC" WITH THE <u>NUMBER(S)</u> OF THE ADDRESS OR ADDRESS RANGE THAT THE FIRE DEPARTMENT CONNECTION SUPPLIES.
 - B. THE BACKGROUND COLOR SHALL BE RED, WITH WHITE LETTERS.
 - C. INDICATE THE PRESSURE REQUIRED TO DELIVER THE GREATEST SYSTEM DEMAND.

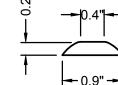
FIRE DEPARTMENT CONNECTION



- 1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 2. 'U' RACKS TO BE STAINLESS STEEL.
- 3. RACK TO BE SURFACE MOUNTED TO CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS.
- SCORE PATTERN TO BE EXACT AND SQUARE.
- 5. SEE SITE PLAN FOR LOCATION.

K INVERTED U-STYLE BICYCLE RACK





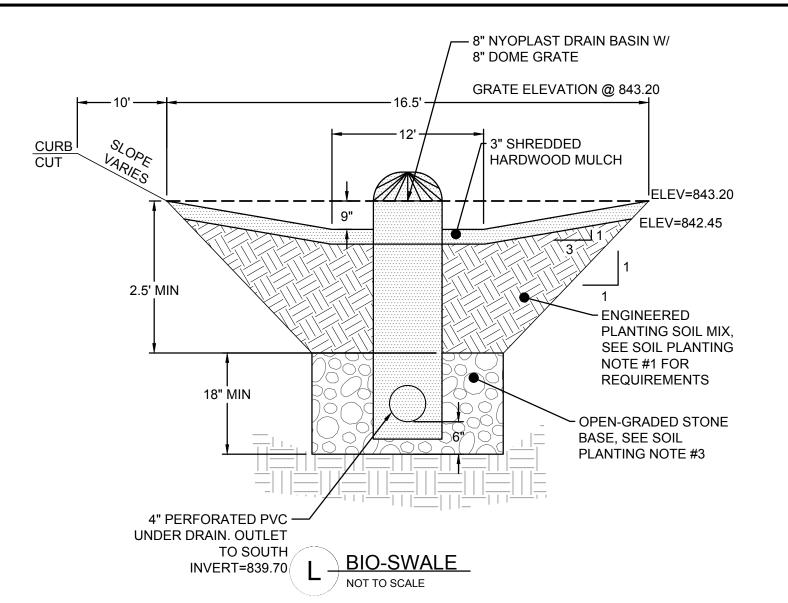
NOTES:

- TRUNCATED DOME SECTION 1. DETECTABLE WARNINGS SHALL BE OF THE PAVER OR MAT TYPE WITH ADHESIVE PER
- MANUFACTURERS SPECIFICATIONS
- 3. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION

2. WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH

- 4. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS
- 5. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES
- 6. DETECTABLE WARNING AREA SHALL BE RED IN COLOR IN ALL LOCATIONS
- 7. IF MATS ARE TO BE USED, EDGES SHALL BE BEVELED TO ELIMINATE TRIP HAZARD. MATS ARE TO BE USED FOR RETROFITS ONLY.

M TRUNCATED DOME DETECTABLE WARNING NOT TO SCALE



- PROVIDE PLANTING SOIL MIX THAT MEET THE FOLLOWING MINIMUM REQUIREMENTS
- 4 PARTS SAND, PER ODOT CMSC 703.06
- 2 PARTS TOPSOIL, PER ODOT CMSC 653.02
- 1.3. 2 PARTS COMPOST, PER ODOT CMSC 659.06
- PH = 5.2-8.0INFILTRATION RATE = 0.5 IN/HR
- PROVIDE NO. 57 AGGREGATE, PER ODOT CMSC 703.01
- MULCH MUST BE DOUBLE SHREDDED HARD WOODS. PINES AND FINE OR CHIPPED HARDWOOD MULCHES ARE NOT ACCEPTABLE. MULCH SHALL BE PLACED AFTER SUFFICIENT SETTLING HAS OCCURRED OF THE PLANTING SOIL.
- CONSTRUCTION OF BIOSWALES AND PLANTERS SHALL TAKE PLACE AFTER ALL HARD SURFACES ARE IN AROUND THE AREA AND THE CELL IS PROTECTED WITH SOIL EROSION TO PREVENT SEDIMENT FORM ENTERING THE CELL UNTIL IT IS CONSTRUCTED AND IS ESTABLISHED. SEDIMENT SHALL NOT ENTER THE BASIN DURING CONSTRUCTION.
- AFTER CONSTRUCTION IS COMPLETE THE FOLLOWING MAINTENANCE SCHEDULE SHALL BE IMPLEMENTED
- VISUAL INSPECTION MONTHLY (AS NEEDED)
- REMOVE LEAVES, LITTER AND DEBRIS MONTHLY (AS NEEDED)
- REMOVE AND REPLACE DEAD OR DISEASED VEGETATION BIANNUALLY (AS NEEDED)
- ADD FRESH MULCH ANNUALLY (AS NEEDED)
- REMOVE AND REPLACE ENTIRE MULCH LAYER EVERY 2-3 YEARS (AS NEEDED) VISUAL INSPECTION FOR EROSION OR SLOPE FAILURE AT DOWNSTREAM OUTLET PIPES - QUARTERLY (4
- MONTHS) (AS NEEDED)

RECORDS OF MAINTENANCE ACTIVITIES SHALL BE KEPT ON SITE AND SHALL BE AVAILABLE FOR AGENCY REVIEW IF NEEDED.

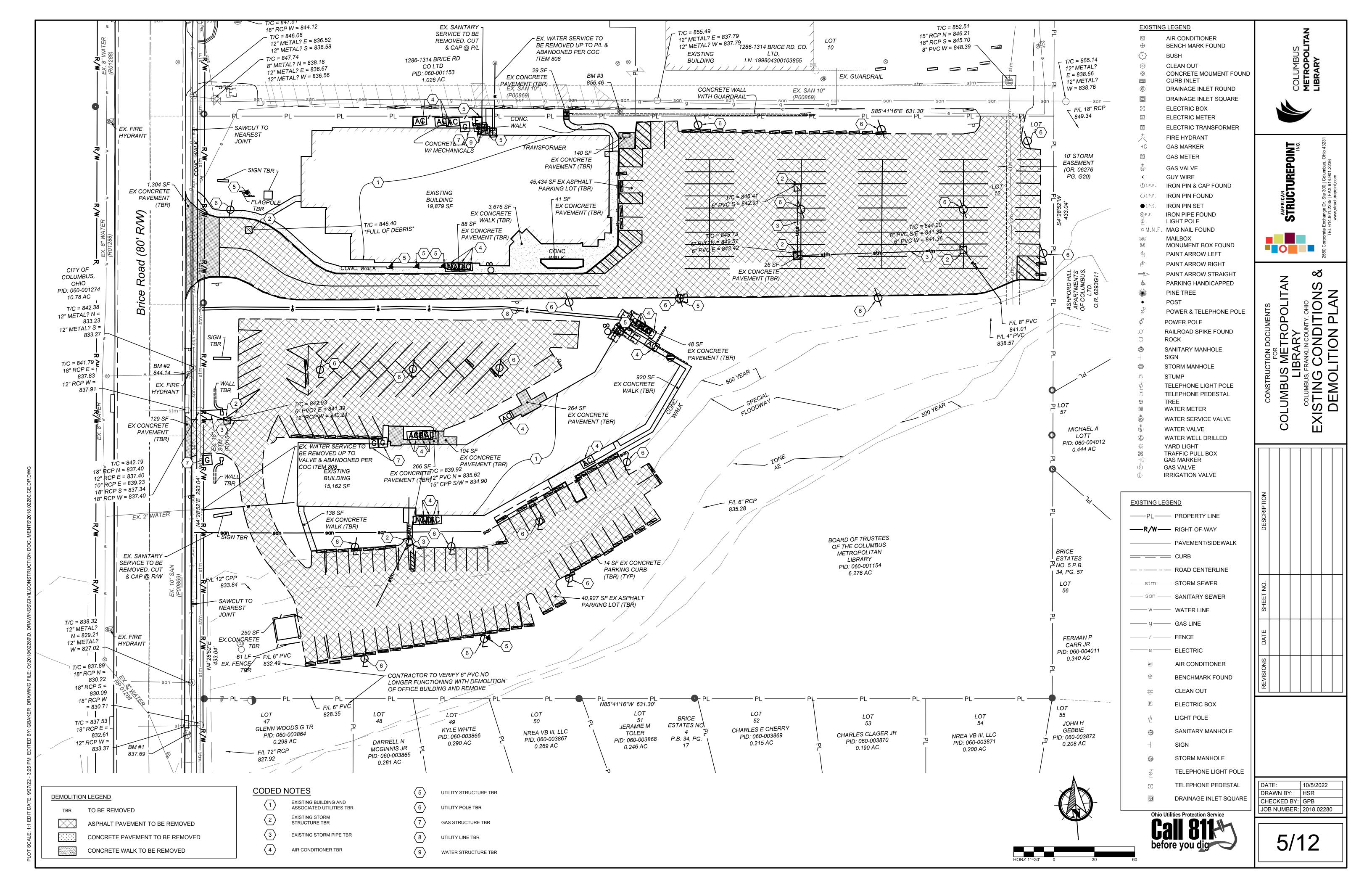


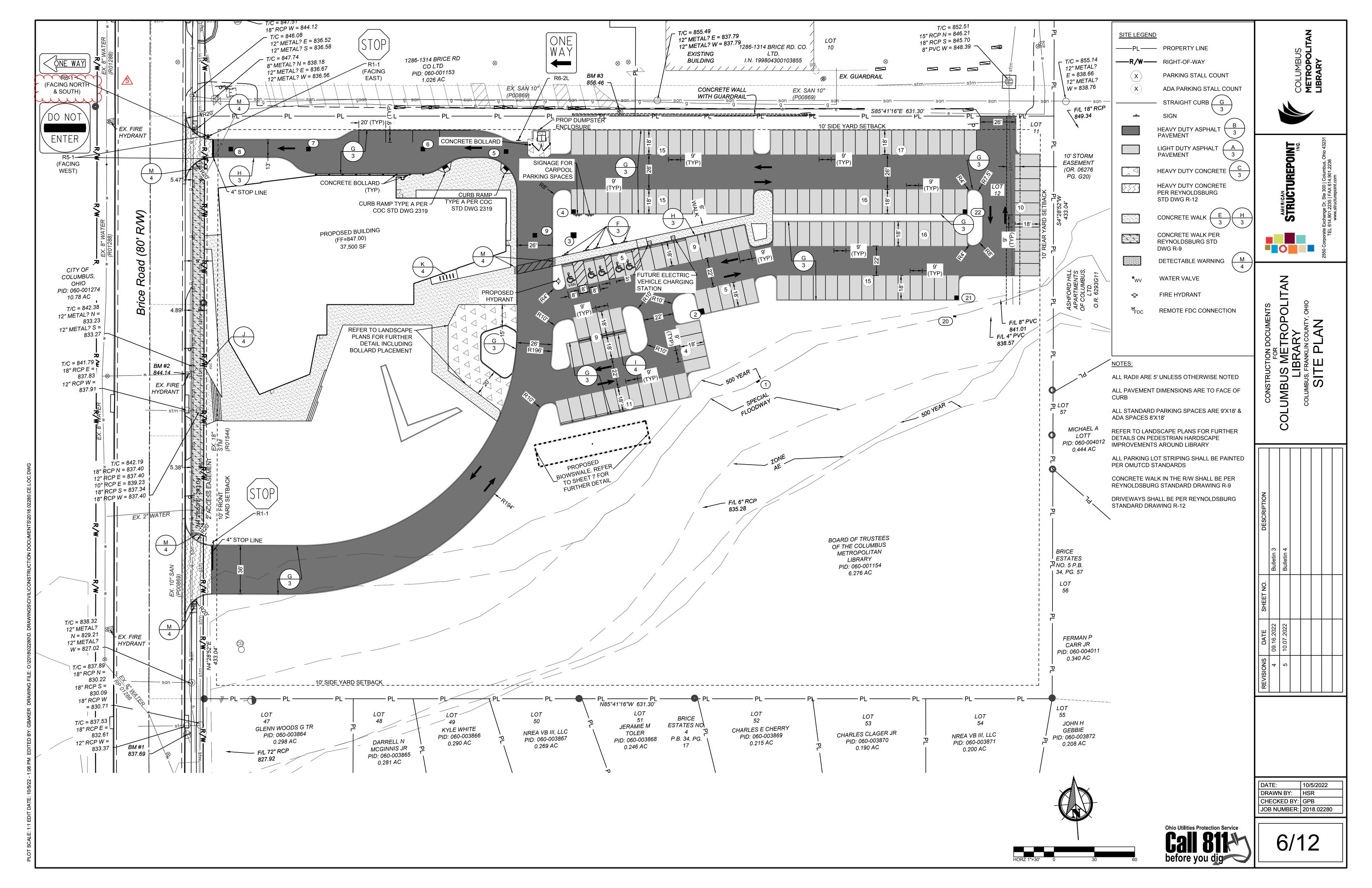


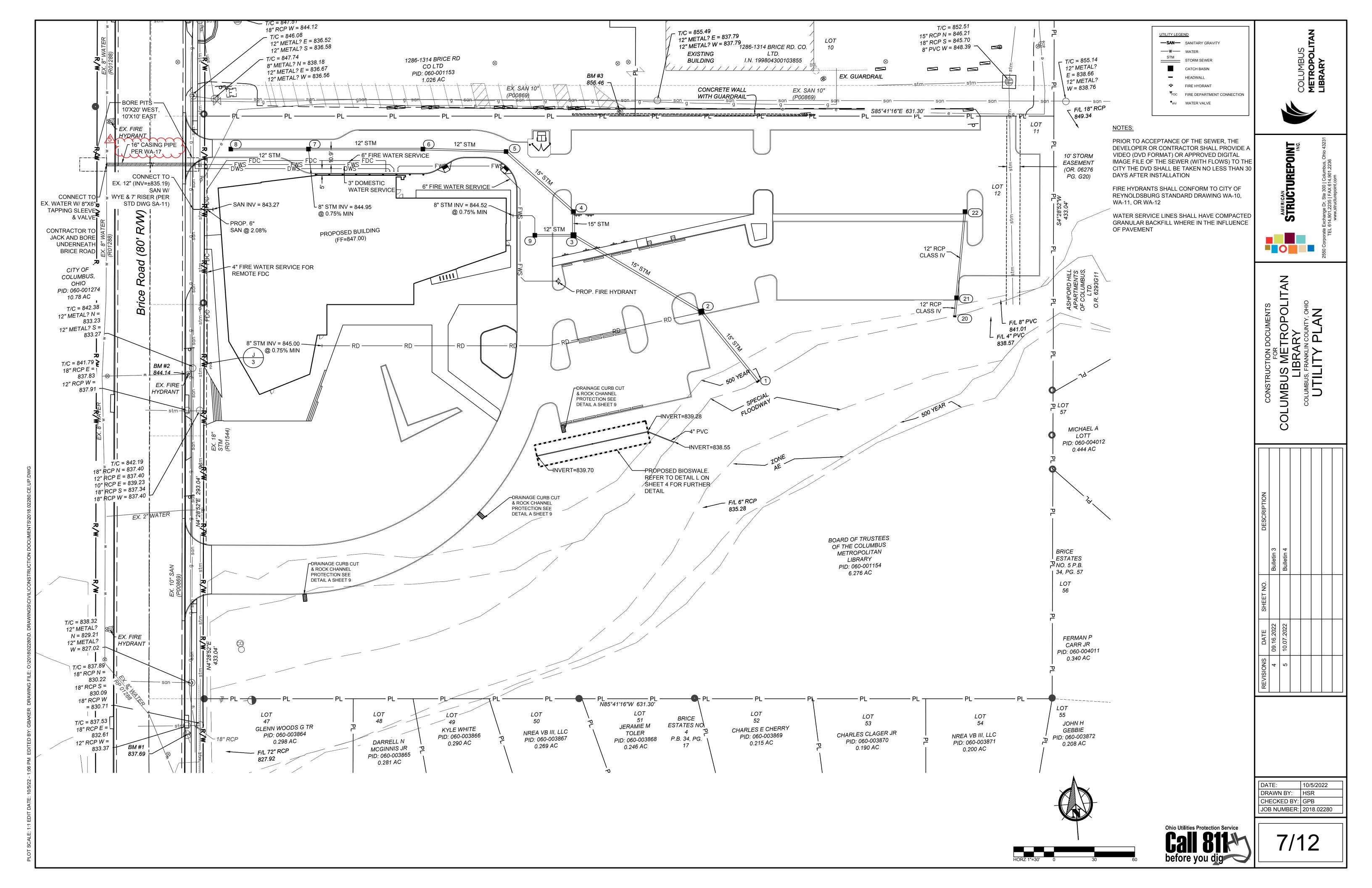
TROPOLITAN ARY COLUMBUS ME' LIBRA

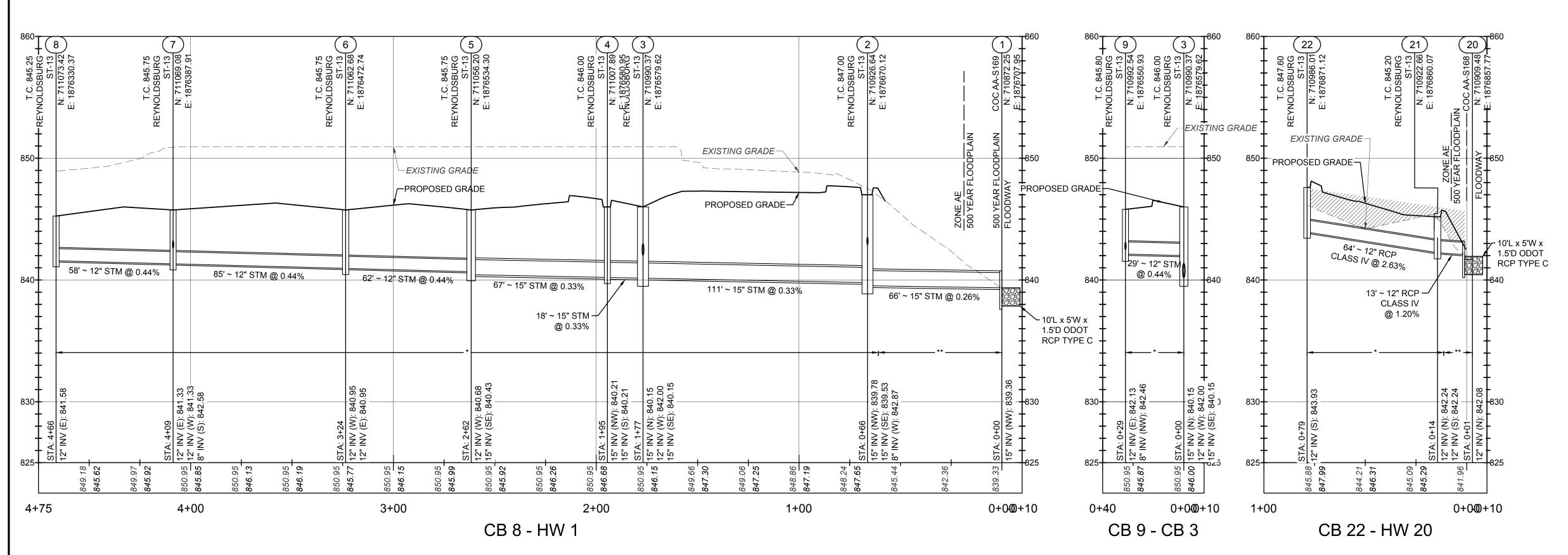
10/5/2022 DATE: DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280











STORM SEWER NOTES:

PROFILE DATUM NAVD '88

STORM SEWER STRUCTURE TABLE

EASTING

1876707.95

1876670.12

1876579.62

1876580.95

1876534.30

1876472.74

1876387.91

1876330.37

1876550.93

1876857.77

1876860.07

1876871.12

STR. NO

20

22

NORTHING

710872.25

710926.64

710990.37

711007.89

711056.20

711062.68

711069.08

711073.42

710992.54

710909.48

710922.66

710986.01

AS-BUILT | AS-BUILT

NORTHING | EASTING

MAINTAIN A MINIMUM OF 18" VERTICAL AND 10' HORIZONTAL CLEARANCE FROM WATER MAINS.

ALL BACKFILL SHALL BE COMPACTED TO THE DENSITY OF THE EXISTING GROUND UNLESS OTHERWISE NOTED:

* COMPACTED BACKFILL PER CMS ITEM 912 (WITHIN ** COMPACTED BACKFILL PER CMS ITEM 911 (OUTSIDE PAVEMENT).



ALL FILLS ARE TO THE PLACED A MINIMUM OF 2.5' ABOVE THE PROPOSED STORM SEWER PER ODOT CMS ITEM 203 PRIOR TO THE START OF STORM SEWER CONSTRUCTION.

ALL STRUCTURES WITHIN PAVEMENT SHALL HAVE HEAVY DUTY FRAME AND GRATES.

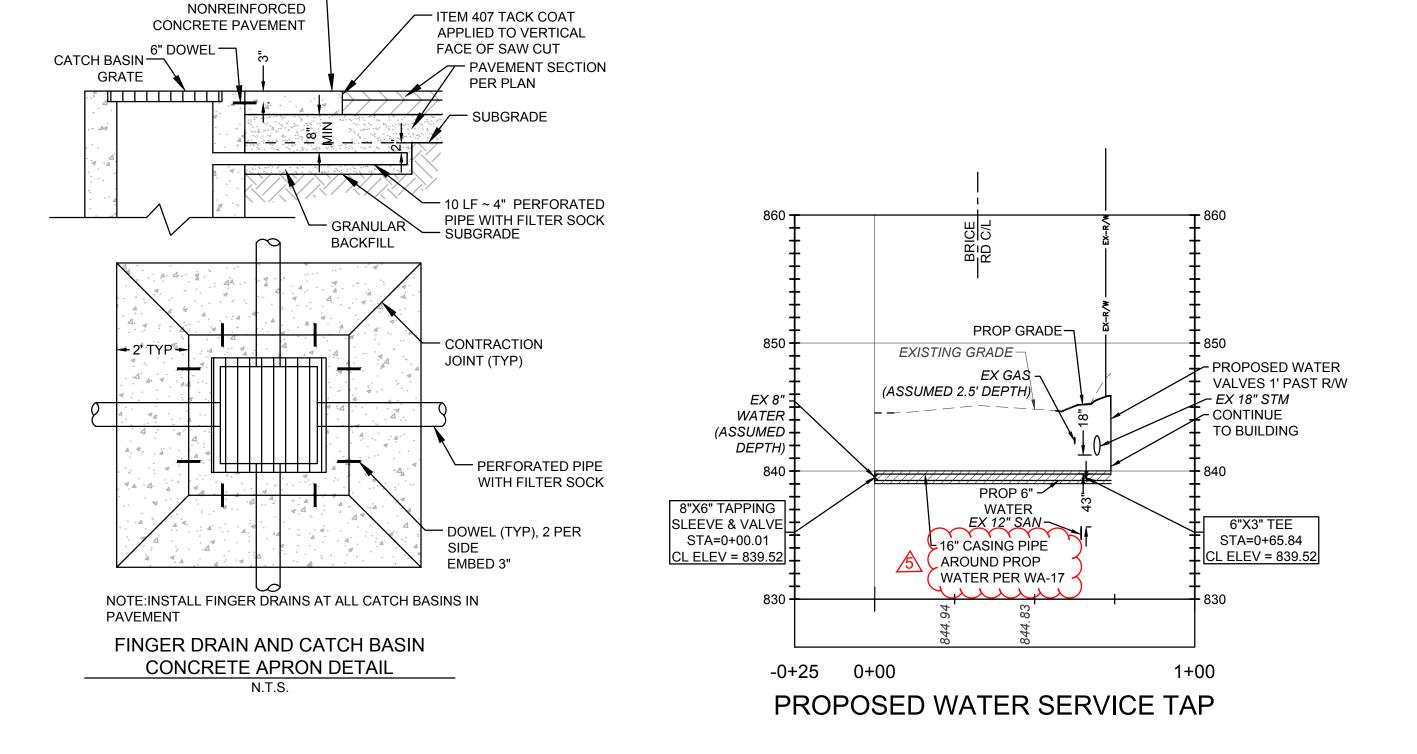




COLUMBUS METROPOLITAN
LIBRARY

DESCRIPTION	Bulletin 3	Bulletin 4			
SHEET NO.					
DATE	4 09.16.2022	5 10.07.2022			
REVISIONS	4	2			

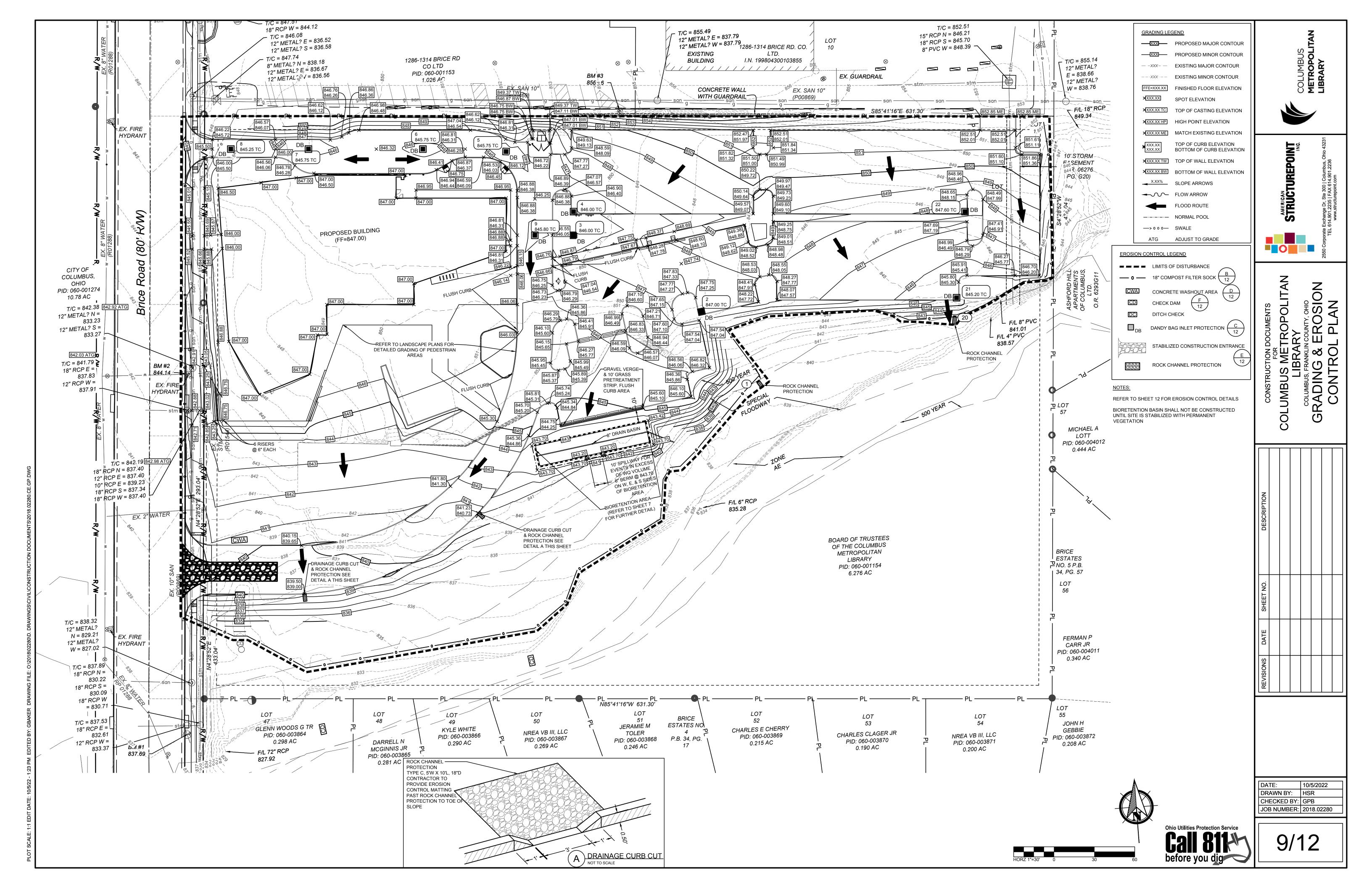
10/5/2022 DATE: DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280

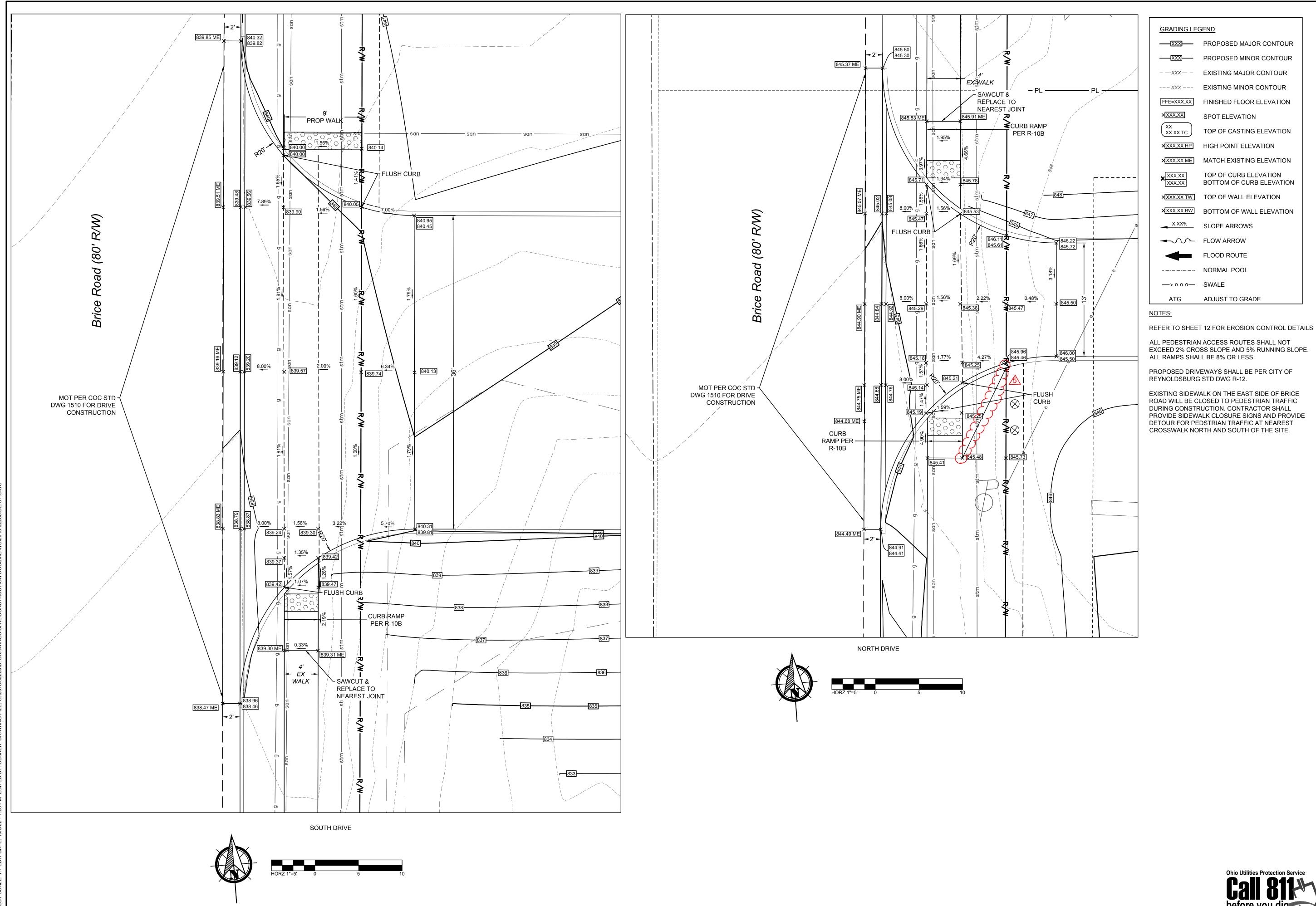


6" ITEM 452

PIPE DATA TABLE (OHIO SOUTH ZONE-HORIZ REF DATUM EQUALS NAD83 2011 ADJUSTMENT)						
START STRUCTURE	END STRUCTURE	LENGTH	BEARING	AS-BUILT LENGTH	AS-BUILT BEARING	
22	21	64	S09° 53' 46.53"W			
21	20	13	S09° 53' 46.53"W			
9	3	29	S85° 41' 16.00"E			
8	7	58	S85° 41' 16.00"E			
7	6	85	S85° 41' 16.00"E			
6	5	62	S83° 59' 16.49"E			
5	4	67	S43° 59' 58.19"E			
4	3	18	S04° 18' 44.00"W			
3	2	111	S54° 50' 43.83"E			
2	1	66	S34° 48' 53.29"E			

8/12





COLUMBUS METROPOLITAN
LIBRARY
COLUMBUS, FRANKLIN COUNTY, OHIO
DRIVE DETAILS

DATE: 10/5/2022 DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280

10/12

AMERICAN STRUCTUREPOINT, INC. 2550 CORPORATE EXCHANGE DR., STE 300 COLUMBUS, OHIO 43231 CONTACT: GARRETT BAKER

COLUMBUS METROPOLITAN LIBRARY

96 S. GRANT AVENUE COLUMBUS, OHIO 43215 CONTACT: BENJAMIN PACHECO ROBLES

PHONE: (614) 228 - 7311 EMAIL: bpachecorobles@jbadusa.com

EXISTING SITE CONDITIONS:

EXISTING SITE CONSISTS OF COLUMBUS METROPOLITAN LIBRARY: REYNOLDSBURG AND J&J CONSULTING & HOME HEALTH OFFICES.

PROJECT DESCRIPTION:

ACTIVITIES INCLUDE THE CONSTRUCTION OF A PUBLIC LIBRARY, ASSOCIATED UTILITIES, DRIVES, SIDEWALK AND PAVEMENT IMPROVEMENTS. APPROXIMATELY 2.6 ACRES OF THE SITE WILL BE DISTURBED. THE EXISTING PROPERTY CONSISTS OF BENNINGTON-URBAN LAND COMPLEX, 0 TO 6 PERCENT SLOPES (BfB); CARDINGTON-URBAN LAND COMPLEX. 2 TO 6 PERCENT SLOPES (CbB): CARDINGTON SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED (Crd1C2); PEWAMO LOW CARBONATE TILL-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES (Pn).

RECEIVING STREAM:

UNNAMED CREEK TRIBUTARY DRAINING TO BIG WALNUT CREEK 1.5 MILES TO THE SOUTHWEST.

SINGLE FAMILY RESIDENTIAL

3.91 ACRES

FINAL LOCATIONS OF ALL SITE BMPS, INCLUDING DUMPSTERS, VEHICLE FUELING AREAS. CONCRETE TRUCK WASH. MATERIAL STORAGE. AND TOPSOIL STOCKPILES SHALL BE DETERMINED BY CONTRACTOR. IF FINAL LOCATION OF BMPS DIFFER FROM THE LOCATIONS SHOWN. CONTRACTOR SHALL MODIFY SWPPP AND INFORM OHIO EPA OF NEW LOCATIONS OF BMPS.

ADJACENT AREAS:

NORTH: RETAIL CENTER WEST: BRICE ROAD J&J HOME HEALTH CARE SERVICE

EAST:

TEMPORARY SEDIMENT TRAPS AS SHOWN ON THE PLAN. AREAS WILL BE STABILIZED WHEN GRADED TO PREVENT EROSION ON THE SITE. A COMBINATION OF MEASURES WILL BE USED TO PROVIDE EROSION & SEDIMENT

DISTURBED AREAS WILL BE PROTECTED BY SILT FENCE, ROCK CHECK DAMS, AND

CONTROL MEASURES:

CONTROL, INCLUDING SILT FENCE AND SEEDING.

PROVIDE INLET PROTECTION AT ALL NEW AND EXISTING DRAINAGE STRUCTURES.

ANY OFF SITE BORROW OR SPOIL AREAS SHALL BE SUBJECT TO THE REQUIREMENTS SET FORTH BY THE OHIO EPA. ALL EROSION AND SEDIMENT CONTROL MEASURES FOR OFF-SITE AREAS NOT COVERED BY A SEPARATE NOI OR SWPPP SHALL BE COORDINATED WITH THE OHIO EPA.

ALL TRENCH OR EXCAVATION GROUNDWATER CONTAINING SEDIMENT MUST BE EFFECTIVELY TREATED PRIOR TO DISCHARGE INTO THE STORM SEWER SYSTEM.

USE ALL MEANS NECESSARY TO CONTROL DUST ON THE SITE AND PREVENT TRACKING

SOIL OFF SITE.

THE SITE WILL BE STABILIZED BY THE USE OF SEEDING OR SODDING IN LAWN AREAS.

ALL EROSION CONTROL DEVICES ARE TO BE INSPECTED BY THE CONSTRUCTION SUPERINTENDENT WEEKLY AND AFTER SIGNIFICANT RAINFALLS. ANY DAMAGED FACILITIES ARE TO BE REPLACED OR REPAIRED IMMEDIATELY AS MAY BE NECESSARY.

GENERAL CONSTRUCTION

(UNLESS NOTED OTHERWISE, ALL EROSION AND SEDIMENT CONTROL MEASURES FROM THE BEGINNING OF EARTH DISTURBING ACTIVITIES TO FINAL COMPLETION OF THE PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR)

- 1 ESTABLISH CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT CONSTRUCTION 2 - CONSTRUCT TEMPORARY SEDIMENT CONTROLS AND PERIMETER EROSION
- CONTROL MEASURES. INCLUDING CONSTRUCTION ENTRANCE, AND 18" FILTER SOCK, MEASURES SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING.
- 3 DEMOLISH EXISTING BUILDINGS, PAVEMENT, & UTILITIES.
- 4 STRIP AND STOCKPILE TOPSOIL. SEED STOCKPILES. PROVIDE PERIMETER SILT FENCE AT TOE OF STOCKPILE SLOPE.
- 5 PERFORM ROUGH GRADING AND EXCAVATION. STABILIZE AREAS AS INDICATED
- 6 INSTALL STORM SEWERS, OUTLET STRUCTURE, AND INLET FILTERS.
- 7 COMPLETE ALL PAVEMENT ACTIVITIES.
- 8 COMPLETE FINE GRADING OF SEEDED AREAS AND STABILIZE DISTURBED AREAS. 9 - ONCE FINAL SEED HAS BEEN ESTABLISHED, CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES AND CLEAN ALL SEDIMENT FROM STRUCTURES AND PAVEMENT. SEDIMENT/WATER QUALITY BASIN SHALL BE CLEANED OF ALL ACCUMULATED SEDIMENT AND RESTORED TO THE ORIGINAL DESIGN CONTOURS
- SHOWN ON THESE PLANS. 10 - BIORETENTION BASIN SHALL NOT BE INSTALLED UNTIL THE SITE IS COMPLETELY

11 - PRIOR TO FINISHING WORK, ALL AREAS OF THE SITE DISTURBED BY CONSTRUCTION ACTIVITY (INCLUDING, BUT NOT LIMITED TO MATERIAL STORAGE AREAS, TRAILER AREAS, FUELING AREAS, TRUCK WASH AREAS, EQUIPMENT PATHS, HAUL ROADS, ETC.) SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS, OR IF IN AREAS OF PROPOSED IMPROVEMENTS, TO THEIR PROPOSED CONDITIONS. ALL STONE. TRASH, AND DEBRIS SHALL BE REMOVED FROM THE SOIL. THE UPPER 12" OF SOIL SHALL BE SCARIFIED, AND AREA SHALL BE GRADED TO SUBGRADE WITH SUITABLE MATERIALS. FURNISH 6" MINIMUM OF TOPSOIL AND SEED ALL

AREAS.

THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.

> ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF REYNOLDSBURG AND/OR THE OHIO EPA.

OEPA NOI:

4GC08716*AG (EFFECTIVE AUGUST 30TH, 2022)

RUNOFF COEFFICIENTS:

PRE-DEVELOPED: CN = 94 POST-DEVELOPED: CN = 91 PRE-DEVELOPED IMPERVIOUS AREA: 3.04 ACRES

POST-DEVELOPED IMPERVIOUS AREA: 2.44 ACRES

1. ALL EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY SITE GRADING OPERATIONS. ALL APPLICABLE GOVERNING AGENCIES MUST BE NOTIFIED UPON COMPLETION OF THE INSTALLATION OF THE REQUIRED EROSION FACILITIES AND PRIOR TO ANY GRADING OPERATION BEING COMMENCED. IF DAMAGED OR REMOVED DURING CONSTRUCTION, ALL EROSION CONTROL FACILITIES SHALL BE RESTORED AND IN PLACE AT THE END OF EACH WORK DAY.

EROSION CONTROL NOTES:

- 2. ANY EROSION CONTROL FACILITIES DEEMED NECESSARY BY THE GOVERNING AGENCIES; BEFORE, DURING OR AFTER THE GRADING ACTIVITIES, SHALL BE INSTALLED AT THEIR
- 3. FLOWS FROM DIVERSION CHANNELS OR PIPES (TEMPORARY OR PERMANENT) SHALL BE ROUTED TO SEDIMENTATION BASINS OR APPROPRIATE ENERGY DISSIPATERS TO PREVENT TRANSPORT OF SEDIMENT TO OUTFLOW TO LATERAL CONVEYORS AND TO PREVENT EROSION AND SEDIMENTATION WHEN RUNOFF FLOWS INTO THESE CONVEYORS.
- 4. SITE ACCESS ROADS SHALL BE GRADED OR OTHERWISE PROTECTED WITH SILT FENCES, DIVERSION CHANNELS, OR DIKES AND PIPES TO PREVENT SEDIMENT FROM EXITING THE SITE VIA THE ACCESS ROADS. SITE-ACCESS ROADS/DRIVEWAYS SHALL BE SURFACED WITH CRUSHED ROCK WHERE THEY ADJOIN EXISTING PAVED ROADWAYS.
- 5. SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES OR EQUIPMENT SHALL BE CLEANED DAILY FROM PAVED ROADWAY SURFACES, OR MORE FREQUENTLY IF REQUESTED BY GOVERNING AGENCIES, THROUGHOUT THE DURATION OF CONSTRUCTION.
- 6. DUST CONTROL MEASURES SHALL BE PERFORMED PERIODICALLY WHEN CONDITIONS REQUIRE AND/OR AS DIRECTED BY THE GOVERNING AGENCIES.
- 7. ALL EROSION CONTROL MEASURES SHALL BE USED AND MAINTAINED FOR THE DURATION OF SITE CONSTRUCTION. IF CONSTRUCTION OPERATIONS OR NATURAL EVENTS DAMAGE OR INTERFERE WITH THESE EROSION CONTROL MEASURES. THEY SHALL BE RESTORED TO SERVE THEIR INTENDED FUNCTION AT THE END OF EACH DAY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
- 8. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS SOON AS POSSIBLE. ANY AREAS WHICH HAVE BEEN FINISHED GRADED SHALL BE SODDED. AREAS THAT HAVE BEEN DISTURBED AND FOR WHICH GRADING OR SITE BUILDING CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY SHALL BE TEMPORARILY SEEDED AND MULCHED AS REQUIRED BY GOVERNING AGENCIES.
- 9. RUNOFF SHALL BE PREVENTED FROM ENTERING ALL STORM SEWER CATCH BASINS PROVIDING THEY ARE NOT NEEDED DURING CONSTRUCTION. WHERE STORM SEWER CATCH BASINS ARE NECESSARY FOR SITE DRAINAGE DURING CONSTRUCTION, A SILT FENCE OR SEDIMENT PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS UNTIL THE TRIBUTARY AREA TO THE CATCH BASIN IS RESTORED.
- 10. EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED AROUND THE PERIMETER OF ALL LAKES. PONDS. AND WETLANDS. IF ANY WITHIN OR ADJACENT TO THE AREA TO BE GRADED UNTIL THE AREA TRIBUTARY TO THE LAKE, POND, OR WETLAND IS RESTORED.
- 11. TO MINIMIZE EROSION, ALL 3:1 SLOPES OR GREATER SHALL BE COVERED WITH A TEMPORARY EROSION CONTROL BLANKET OR STAKED SOD.
- 12. ACCUMULATION OF ALL SEDIMENT OCCURRING IN STORM SEWERS, DITCHES, LAKES, PONDS. WETLANDS SHALL BE REMOVED PRIOR TO, DURING AND AFTER COMPLETION OF GRADING ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.
- 13. EROSION CONTROL ITEMS AND DEVICES SHALL BE REMOVED ONLY AFTER THE AREA HAS RECEIVED FINAL STABILIZATION.

POST CONSTRUCTION STORM WATER QUALITY MANAGEMENT - RAIN GARDEN NOTES:

THE RAIN GARDEN SYSTEM WILL ACT AS A STORM WATER QUALITY AND QUANTITY BASIN. THE RAIN GARDEN WAS SIZED TO TREAT THE DIRECT RUNOFF FROM THE ROOF OF THE PROPOSED BUILDING.

- 1. GENERAL MAINTENANCE: WEEDING WILL BE NEEDED THE FIRST COUPLE OF YEARS REMOVE BY HAND ONLY. AFTER EACH GROWING SEASON, THE STEMS AND SEEDHEADS CAN BE LEFT FOR WINTER INTEREST, WILDLIFE COVER, AND BIRD FOOD. ONCE SPRING ARRIVES AND NEW GROWTH IS 4-6 INCHES TALL, CUT ALL TATTERED PLANTS BACK. DEAD PLANT MATERIAL CAN ALSO BE REMOVED AND DISPOSED OF ACCORDING TO CITY
- 2. PLANTING SOIL MAINTENANCE: OVER TIME (3-10 YEARS), CLOGGING OF THE PLANTING SOIL OR FILTER LAYER WITH FINE PARTICLES MAY OCCUR. THIS IS EXPECTED AND CAN BE CORRECTED BY REPLACING A PORTION OF THE PLANTING SOIL OR REPLACING ALL THE PLANTING SOIL AND THE FILTER LAYER UNTIL BETTER PERMEABILITY IS ACHIEVED.
- REFER TO THE OHIO DIVISION OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT MANUAL" TABLE 2.10.2 FOR ADDITIONAL SUGGESTIVE MAINTENANCE

SEDIMENT AND EROSION CONTROL NOTES:

MAINTENANCE & INSPECTION PROCEDURES

ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS FOLLOWING ANY STORM EVENT OF 0.5INCHES OR GREATER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENTATION AND EROSION CONTROL FEATURES ON THIS PROJECT. ANY SEDIMENT OR DEBRIS WHICH REDUCES THE EFFICIENCY OF A CONTROL FEATURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER AND IT SHALL BE INITIATED WITHIN 24 HOURS OF

TEMPORARY SEEDING AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION, AND A WRITTEN LOG MUST BE KEPT. THIS LOG SHALL INDICATE THE DATE OF THE INSPECTION, NAME OF THE INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ANY CORRECTIVE ACTIONS TAKEN, AND BE SIGNED IN ACCORDANCE WITH THE CONDITIONS OF THE NPDES PERMIT. ANY CONTROL MEASURE MUST BE REPAIRED/REPLACED WITHIN THREE DAYS OF INSPECTION.

PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL BE TRAINED IN ALL INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE PLAN. THE DOCUMENT SHALL BE CREATED BY THE CONTRACTOR SIGNED PRIOR TO THE START OF CONSTRUCTION.

DISPOSAL OF SOLID/SANITARY/TOXIC WASTE SOLID, SANITARY, AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

IT IS PROHIBITED TO BURN, BURY, OR POUR OUT ONTO THE GROUND OR INTO A STORM SEWER WATER CONVEYANCE ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS, AND OTHER SUCH SOLID AND HAZARDOUS WASTES.

ANY RINSE WATERS OF SUCH MATERIAL ARE ALSO PROHIBITED FROM BEING PLACED WHERE THEY MAY ENTER DRAINAGEWAYS.

WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN A DIKED, DESIGNATED AREA, AWAY FROM ANY CONVEYANCE CHANNEL.

COORDINATE WASH OUT AREA WITH CONSTRUCTION MANAGER.

CONTRACTORS RESPONSIBILITIES

THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT

DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENTATION CONTROL. THE DETAILS SHOWN ON THE PLAN SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE ODNR MANUAL "RAINWATER AND LAND DEVELOPMENT". THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. THE SCHEDULE SHOULD INCLUDE A SEQUENCE OF THE PLACEMENT OF THE SEDIMENTATION AND EROSION CONTROL MEASURES THAT PROVIDES FOR CONTINUAL PROTECTION OF THE SITE THROUGHOUT EARTH MOVING ACTIVITIES.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA. ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER AND/OR THE OHIO EPA.

THE CONTRACTOR SHALL PLACE INLET PROTECTION FOR THE SEDIMENTATION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF THE CATCH BASINS OR INLETS WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF SEDIMENTATION CONTROLS DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER. THE CONTROLS SHALL BE REPLACED UPON GRADING OR DURING ANY INCLEMENT WEATHER.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFFSITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS MINIMIZED. ALL SUCH OFFSITE SEDIMENT SHALL BE CLEANED UP DAILY.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO STORM WATER RUNOFF. UNTREATED SEDIMENT-LADEN RUNOFF SHALL NOT FLOW OFFSITE WITHOUT BEING DIRECTED THROUGH A CONTROL PRACTICE.

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE INTO OR ALONG SIDE RIVERS, STREAMS, CREEKS, NATURAL OR MAN-MADE CHANNELS OR SWALES LEADING THERETO. CONCRETE WASH WATER AND SURPLUS CONCRETE SHALL BE CONFINED TO APPROVED AREAS. AFTER SOLIDIFYING THESE WASTED MATERIALS SHALL BE REMOVED FROM THE SITE.

POST FLOOD EVENT SITE MAINTENANCE:

FOLLOWING A FLOOD EVENT, INSPECT ALL MECHANICAL EQUIPMENT THAT ARE LOCATED ON THE SITE FOR ANY DAMAGES. WALLS AND WALL PENETRATIONS SHALL ALSO BE CHECKED FOR CRACKS AND LEAKS AND REPAIRED AS NECESSARY. ALL DEBRIS THAT MAY HAVE ACCUMULATED ALONG THE SITE SHALL BE GATHERED AND DISPOSED OF ACCORDING TO CITY STANDARDS. CHECK AND ENSURE THAT ALL DRAINAGE STRUCTURES ARE IN STANDARD OPERATION AND REPAIR ANY DAMAGES OR CLOGS THAT MAY HAVE OCCURRED DURING FLOODING.

STABILIZATION PROCEDURES

CONTRACTOR SHALL BE RESPONSIBLE TO KEEP A RECORD OF DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN EARTH DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES HAVE BEEN INITIATED. THE LIMITS OF SEEDING AND MULCHING ARE AS SHOWN WITHIN THE PLAN AS INDICATED BY THE LIMITS OF DISTURBANCE. ALL AREAS NOT DESIGNATED TO BE SEEDED SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY CEASES FOR AT LEAST 14 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. DISTURBED AREAS WITHIN 50 FEET OF A STREAM, FIRST ORDER OR LARGER, SHALL BE STABILIZED WITHIN 2 DAYS OF INACTIVITY. TEMPORARY STABILIZATION MUST BE APPLIED TO ANY AREA OF THE SITE WHICH WILL REMAIN IDLE OVER THE WINTER. THE TEMPORARY SEED SHALL BE RYE (GRASS) APPLIED AT A RATE OF 25 LBS PER 1000 SY. PRIOR TO SEEDING, 900 LBS OF GROUND AGRICULTURAL LIMESTONE AND 200 LBS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EVERY 1000 SY STABILIZED, IMMEDIATELY AFTER ANY GIVEN AREA IS SEEDED. STRAW OR HAY SHALL BE EVENLY PLACED OVER ALL SEEDED AREAS. TWO TONS PER ACRE FOR STRAW, OR 3 TONS PER ACRE FOR HAY SHALL BE PLACED WHEN SEEDING IS PREFORMED BETWEEN THE DATES OF MARCH 15 AND OCTOBER 15. THREE TONS PER ACRE STRAW, OR 4.5 TONS PER ACRE FOR HAY, SHALL BE PLACED WHEN SEEDING IS PREFORMED BETWEEN THE DATES OF OCTOBER 15 AND MARCH 15 OF THE SUCCEEDING YEAR. IF DORMANT SEEDING IS BEING USED FOR STABILIZATION, SEED SHALL BE PLANTED AFTER NOVEMBER 20. AREAS TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING STONE BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

IN ADDITION TO TEMPORARY SEEDING. THE CONTRACTOR SHALL PLACE A FILTER FABRIC BARRIER AROUND THE BASE OF ALL SOIL STOCKPILES.

DISTURBED PORTIONS OF THE SITE WHEN CONSTRUCTION HAS COMPLETED, OR PORTIONS THAT WILL REMAIN DORMANT FOR LONGER THAN ONE YEAR. SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. THE PERMANENT SEED MIX SHALL CONSIST OF 260 LBS/ACRE OF TURF TYPE TALL FESCUE. PRIOR TO SEEDING, APPLY COMMERCIAL FERTILIZER AT THE RATE OF 1 LB ACTUAL NITROGEN PER 1000 SF. FERTILIZER TO HAVE 20-22-14 ANALYSIS. AFTER SEEDING, EACH AREA SHALL BE MULCHED USING TURFIBER (OR EQUIVALENT) AT A RATE OF 2000 LBS PER ACRE WITH 50 LBS OF TURFIBER ADDED PER 100 GALLONS OF MACHINE CAPACITY. KEEP HYDROMULCH FROM NON-TARGET AREAS INCLUDING PAVEMENT, PLANT MATERIALS, CURBING, AND STRUCTURES. IF THESE SURFACES ARE HIT DURING HYDROMULCHING OPERATIONS. WASH THE SURFACE IMMEDIATELY.

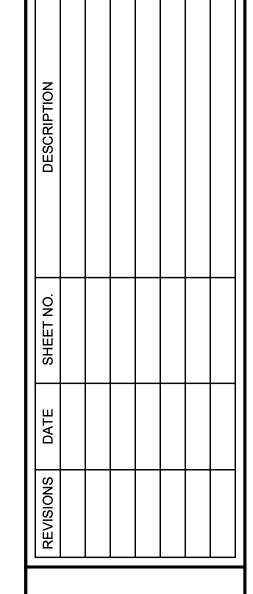
IF SEASONAL CONDITIONS PROHIBIT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION. SUCH AS MULCHING WITH A TACKIFIER OR MATTING. MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.

	TEMPORARY S	EEDING			
SEEDING DATES	SPECIES	LB/1,000 SF	PER ACRE		
MARCH 1 TO	OATS	3	4 BUSHEL		
AUGUST 15	TALL FESCUE	1	40 LB		
	ANNUAL RYEGRASS	1	40 LB		
	PERENNIAL RYEGRASS	1	40 LB		
	TALL FESCUE	1	40 LB		
	ANNUAL RYGRASS	1	40 LB		
AUGUST 16 TO	RY	3	2 BUSHEL		
IOVEMBER 1	TALL FESCUE	1	40 LB		
	ANNUAL RYEGRASS	1	40 LB		
	WHEAT	3	2 BUSHEL		
	TALL FESCUE	1	40 LB		
	ANNUAL RYGRASS	1	40 LB		
	PERENNIAL RYEGRASS	1	40 LB		
	TALL FESCUE	1	40 LB		
	ANNUAL RYGRASS	1	40 LB		
OVEMBER 1 TO PRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.				
OTE: OTHER APPR	OVED SEED SPECIES MAY I	BE SUBSTITUTED			





OPOL UMB ഗ



DATE: 10/5/2022 DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280

Ohio Utilities Protection Service

CALCULATION NOTE:

1300 LF OF FILTER SOCK PROPOSED = 6.5 ACRES OF DRAINAGE AREA ALLOWED PER ODNR RAINWATER & LAND DEVELOPMENT MANUAL.

3.91 ACRES OF DRAINAGE AREA PROPOSED

MATERIAL NOTES:

- COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN, AND INSECT FREE. FREE OF ANY REFUSE, CONTAMINANTS, OR OTHER MATERIALS TOXIC TO PLANT GROWTH, THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
- FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TABULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

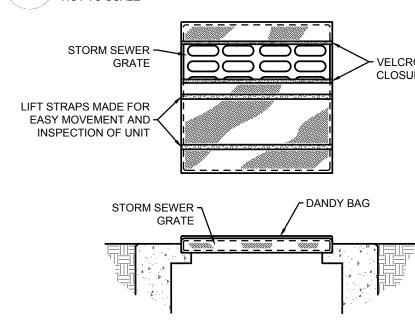
INSTALLATION NOTES:

- 1. FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES.
- 2. FILTER SOCKS INTENDED TO BE PERMANENT SHALL BE SEEDED AT TIME OF INSTALLATION.
- 3. FILTER SOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS

MAINTENANCE NOTES:

- ROUTINELY INSPECT FILTER SOCKS AFTER A RUNOFF EVENT, MAINTAINING FUNCTIONALITY AT ALL TIMES.
- REMOVE SEDIMENT COLLECTED AT THE BASE OF THE UPSLOPE SIDE OF THE FILTER SOCK WHEN SEDIMENT ACCUMULATION HAS REACHED 1/3 OF THE EXPOSED HEIGHT OF THE SOCK.
- WHERE THE FILTER SOCK IS DAMAGED, DETERIORATED, OR FAILS, IT SHALL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
- THE FILTER MEDIA WITHIN THE FILTER SOCK SHALL BE DISPERSED ON SITE ONCE THE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, OR WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDING.

NOT TO SCALE



INSTALLATION:

- 1. STAND GRATE ON END. PLACE DANDY BAG OVER
- 2. 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.
- 3. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH THE GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE:

AFTER EACH STORM EVENT AND SILT HAS DRIED, REMOVE ACCUMULATED DEBRIS FROM THE SURFACE OF DANDY BAG WITH BROOM.

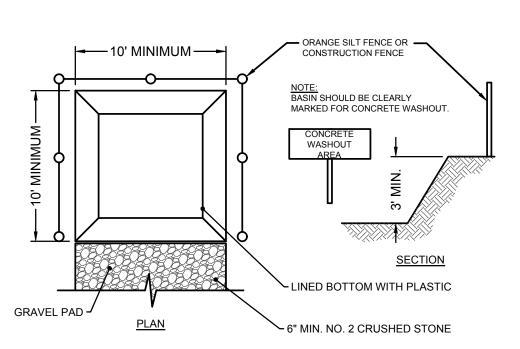
NOTE:

PROVIDE FOR INLETS LOCATED IN PAVEMENT DANDY BAG WILL BE MANUFACTURED IN THE U.S.A.

FROM A WOVEN MONOFILAMENT THAT MEETS OR EXCEEDS THE FOLLOWING SPEFICICATIONS				
GRAB TENSILE STRENGTH	ASTM D 4632			
GRAB TENSILE ELONGATION	ASTM D 4632			
PUNCTURE STRENGTH	ASTM D 4833			
MULLEN BURST STRENGTH	ASTM D 3786			
TRAPEZOID TEAR STRENGTH	ASTM D 4533			
UV RESISTANCE	ASTM D 4355			
APPARENT OPENING SIZE	ASTM D 4751			
FLOW RATE	ASTM D 4491			

ASTM D 4491

C DANDY BAG INLET PROTECTION NOT TO SCALE



- 1. ACTUAL LAYOUT DETERMINED IN THE FIELD, BY CONTRACTOR.
- 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

D CONCRETE WASHOUT AREA

AS NEEDED -EXISTING PAVEMENT - CULVERT FILTER CLOTH (AS NEEDED) **EXISTING** GROUND **EXISTING PAVEMENT** PLAN VIEW

R/W DIVERSION

CONSTRUCTION SPECIFICATIONS:

- 1. STONE SIZE—ODOT # 2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE
- HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS)
- 3. THICKNESS -THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
- 4. WIDTH -THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL 9. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
- 5. GEOTEXTILE -A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

GEOTEXTILE SPECIFICATION FOR CONSTRUCTION	ENTRANCE
MINIMUM TENSILE STRENGTH	200 lbs
MINIMUM PUNCTURE STRENGTH	80 psi
MINIMUM TEAR STRENGTH	50 lbs
MINIMUM BURST STRENGTH	320 psi
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS<0.6 mm
PERMITIVITY	1x10 ⁻³ cm/sec

DITCH SECTION

PROFILE

THAN THE OUTER EDGES.

3. SIDE SLOPES SHALL BE A MINIMUM OF 2:1

DOWNSTREAM DAM.

F ROCK CHECK DAM

NOT TO SCALE

1. CONSTRUCT CHECK DAM SUCH THAT THE CENTER IS 6" LOWER

2. SPACE CHECK DAMS SUCH THAT THE TOE OF THE UPSTREAM

DAM IS AT THE SAME ELEVATION AS THE TOP OF THE

✓ 4"-8" DIAMETER ROCK

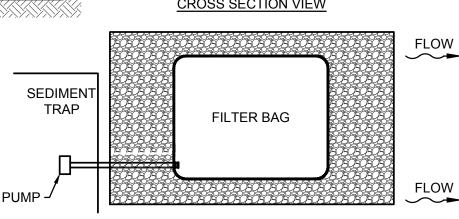
CONSTRUCTION ENTRANCE

NOT TO SCALE

POSITIVE SLOPE

- 6. TIMING—THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
- 7. CULVERT -A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED 2. LENGTH—THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
 - 8. WATER BAR -A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
 - PREVENT TRACKING OR PREVENT FLOWING SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
 - 10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - 11. REMOVAL—THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

DISCHARGE LOW CENTER SECTION-MUST CAUSE FLOW OVER SEDIMENT TRAP NOT AROUND, CHECK DAM AGGREGATE BASE AND BERM ~ **UNDISTURBED** -SIZE NO. 2 OR NO. 57 STONE VEGETATION POSITIVE SLOPE CROSS SECTION VIEW



PLAN VIEW

NOTES:

- 1. THE CONTRACTOR SHALL PUMP MUDDY WATER DETAINED WITHIN THE SEDIMENT TRAP INTO A FILTER FABRIC BAG. THE BAG SHALL BE PLACED WITHIN A LEVEL UNDISTURBED AREA AS FAR AWAY FROM THE STORMWATER OUTFALL AS POSSIBLE. PLACE BAG ON TOP OF A AGGREGATE PAD.
- 2. A PERIMETER AGGREGATE BERM SHALL BE CONSTRUCTED AROUND THE BAG.
- 3. PERIMETER SILT FENCE CONTROLS SHALL BE UTILIZED ALONG THE DOWNSTREAM SIDE OF THE BAG. INSTALL PERIMETER CONTROLS TO ENSURE THAT THE WATER FLOWING OUT OF THE BAG DOES NOT FLOW AROUND THE ENDS OF THE CONTROLS.
- 4. UPON COMPLETION OF DRILLING ACTIVITIES, THE BAG SHALL BE REMOVED TO AN AREA AWAY FROM THE STORMWATER OUTFALL AND OPENED. REMOVE ACCUMULATED SEDIMENT AND PROPERLY DISPOSE OF THE MATERIAL. FILTER BAG SHALL BE JMD ENVIRO-PROTECTION FILTER BAG OR APPROVED EQUAL.
- G DEWATERING FILTER BAG

5. FILTER BAG SHALL BE REPLACED WHEN THE BAG IS HALF FILLED WITH SEDIMENT.

FILTER BAG SIZING**			
FILTER SIZE	MAX PUMPING RATE		
5' x 15'	750 GPM		
15' x 15'	1500 GPM		
15' x 30'	3000 GPM		

**THE AMOUNT OF DISCHARGE WATER A BAG CAN EFFECTIVELY HANDLE DEPENDS ON THE PUMP FLOW RATE, THE AMOUNT OF SEDIMENT IN THE WATER, THE SOIL CONDITIONS UNDER THE BAG, AND THE DEGREE OF THE SLOPE. BAG SHOULD BE CONTINUALLY MONITORED.

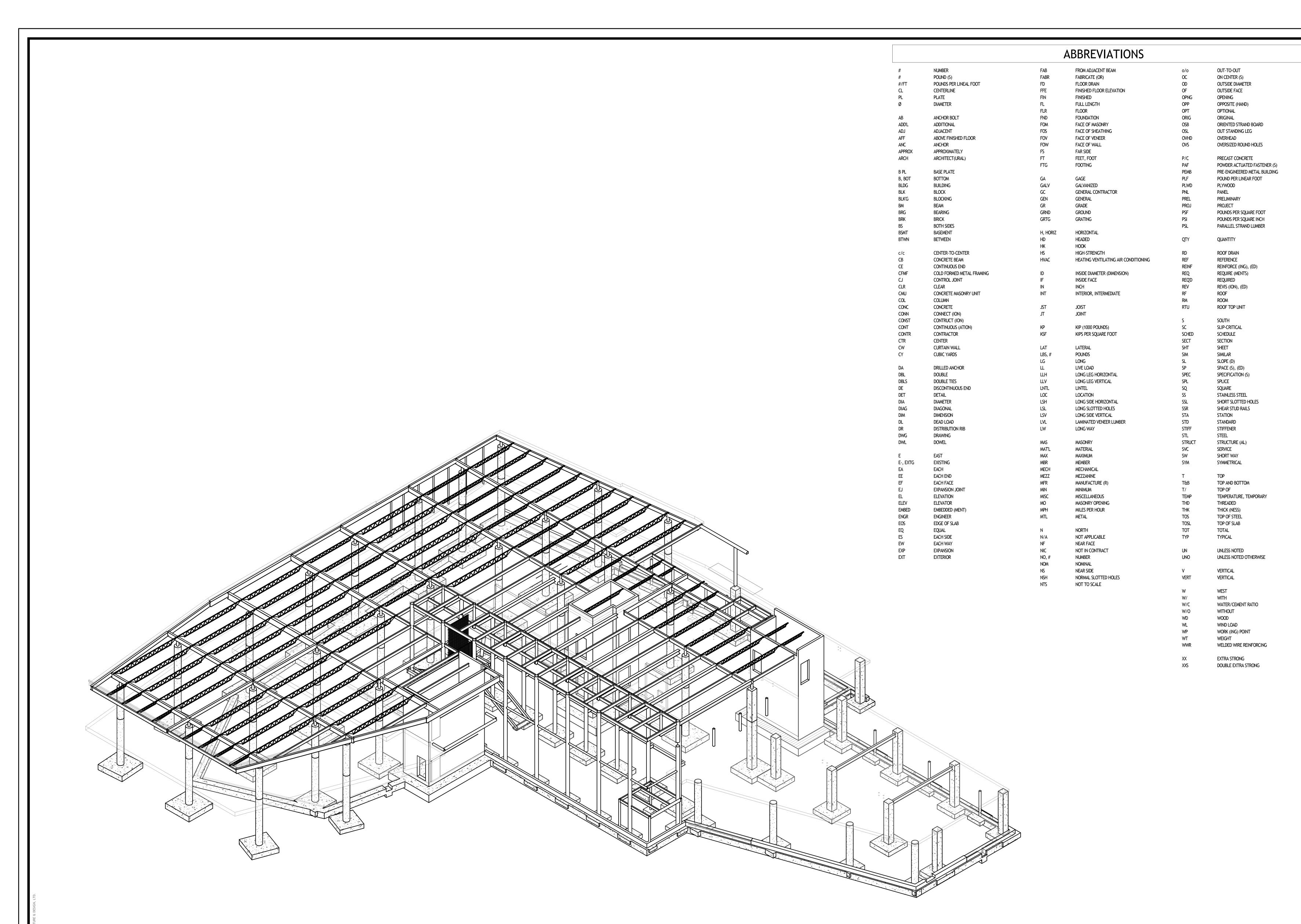
> 10/5/2022 DATE: DRAWN BY: HSR CHECKED BY: GPB JOB NUMBER: 2018.02280







TROPOLITAN OLUMBUS ME LIBRA S



COLUMBUS METROPOLITAN LIBRARY - REYNOLDSBURG, OHIO

		SHEET LIST
	Sheet Number	Sheet Name
	S001	STRUCTURAL COVER SHEET
	S002	GENERAL NOTES
	S003	SPECIAL INSPECTIONS
	S010	GRAPHICAL CONCRETE COLUMN SCHEDULE
	S011	SCHEDULES
	S012	ROOF JOIST UPLIFT DIAGRAM
	S101	FOUNDATION PLAN
	S102	SECOND FLOOR & LOW ROOF POST-TENSION PLAN
	S102A	SECOND FLOOR & LOW ROOF MILD REINFORCING PLAN
	S103	HIGH ROOF FRAMING PLAN
	S200	TYPICAL FOUNDATION SECTIONS
	S201	FOUNDATION SECTIONS & DETAILS
	S210	TYPICAL FLOOR FRAMING SECTIONS & DETAILS
	S211	SECOND FLOOR SECTIONS & DETAILS
1	S212	SECOND FLOOR & LOW ROOF SECTIONS & DETAILS
1	S213	VESTIBULE SECTIONS
1	S220	TYPICAL ROOF FRAMING DETAILS
	S221	ROOF FRAMING SECTIONS & DETAILS
	S222	ROOF FRAMING SECTIONS & DETAILS

REVISION SCHEDULE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME:

CML REYNOLDSBURG

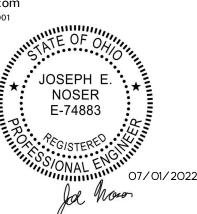
1402 BRICE ROAD REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS

ISSUED FOR BIDDING AND PERMITS

ISSUE DATE: 06/10/2022

1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800 www.smbhinc.com SMBH Job No: 019-042.001



STRUCTURAL COVER SHEET

<u>010000 - GENERAL STRUCTURAL NOTES</u>

- 1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATIONS AND THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
- GOVERNING CODE: OHIO BUILDING CODE 2017 EDITION B. SEE STRUCTURAL PLANS FOR DESIGN SOIL BEARING PRESSURE AND LIVE LOADS. LIVE LOADS REDUCED IN ACCORDANCE WITH THE GOVERNING CODE, IF APPLICABLE.
- 4. DESIGN CRITERIA A. ROOF LOADS: B. FLOOR LOADS 138 PSF @ 11" SLAB; 200 PSF @ 16" SLAB ROOFING 1.5 PSF SLAB & DECK 1.0 PSF INSULATION FLOOR FINISHES 1.0 PSF METAL DECK 2.5 PSF CEILING/LIGHTS 2.0 PSF JOIST FRAMING 2.5 PSF M.E.P. 3.0 PSF M.E.P. 3.0 PSF SPRINKLER 2.5 PSF 2.5 PSF COLLATERAL SPRINKLER 6.5 PSF CEILING/LIGHTS 2.0 PSF
- 5. ROOF SNOW LOAD: - 20 PSF GROUND SNOW LOAD (Pg) SNOW EXPOSURE FACTOR (Ce) - 1.0 IMPORTANCE FACTOR (Is) THERMAL FACTOR (Ct) UNIFORM ROOF DESIGN SNOW LOAD - 22 PSF FLAT ROOF SNOW LOAD (Pf) - 15.4 PSF 6. WIND LOAD: - 120 MPH ULTIMATE DESIGN WIND SPEED (Vult) NOMINAL WIND SPEED (Vasd) - 93 MPH RISK CATEGORY EXPOSURE CATEGORY EXPOSURE B INTERNAL PRESSURE COEFFICIENT (G Cpi) - ±0.18 COMPONENTS AND CLADDING - SEE TABLE BELOW 7. SEISMIC LOAD: RISK CATEGORY - 1.25 IMPORTANCE FACTOR (Ie) MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD (Ss) - 0.115 - 0.061 MAPPED SPECTRAL RESPONSE ACCELERATION AT ONE-SECOND PERIOD (S1)

COLLATERAL

5.0 PSF

SPECTRAL RESPONSE PARAMETER AT SHORT PERIOD (SDs)

SEISMIC DESIGN CATEGORY

DESIGN BASE SHEAR

SPECTRAL RESPONSE PARAMETER AT ONE-SECOND PERIOD (SD1)

- 0.038 (ULTIMATE) SEISMIC RESPONSE COEFFICIENT (Cs) BASIC SEISMIC FORCE RESISTING SYSTEM: C7 ORDINARY REINFORCED CONCRETE MOMENT FRAMES (R = 3, Ω = 3, Cd = 2 1/2)
- DESIGN BY EQUIVALENT LATERAL FORCE PROCEDURE MECHANICAL FRAMING LOADS, OPENINGS, AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR. COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL DRAWINGS.

- 0.092

- 0.069

215 K (ULTIMATE)

- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE
- 10. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. 11. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION AND
- EXISTING SERVICE ON THE SITE. 12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF COLUMNS, WALLS, OPENINGS ETC. WITH THE ARCHITECTURAL
- DRAWINGS PRIOR TO PROCEEDING WITH THE WORK. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND DRAWINGS OF ANY OTHER DISCIPLINE. 13. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING
- THE AMOUNT OF CONSTRUCTION DEAD LOAD APPLIED TO THE STRUCTURAL FRAMING. 14. IF EQUIPMENT SHIPPING OR OPERATING WEIGHT EXCEEDS VALUE SHOWN ON THESE DRAWINGS, DO NOT PLACE EQUIPMENT. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT.
- 15. DO NOT MODIFY, ALTER OR REPAIR ANY STRUCTURAL MEMBER WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER 16. SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY CONTRACTOR PRIOR TO SUBMISSION TO STRUCTURAL ENGINEEF 17. DEFERRED SUBMITTALS: THE FOLLOWING COMPONENTS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER HIRED BY THE
- CONTRACTOR, LICENSED IN THE STATE OF THE PROJECT. DESIGN INFORMATION SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER. SEE CONTRACT DOCUMENTS FOR DESIGN LOADS AND OTHER DESIGN CRITERIA.
- A. STEEL CONNECTIONS NOT SPECIFICALLY AND FULLY DETAILED ON THE STRUCTURAL DRAWINGS.
- B. STEEL STAIRS AND RAILINGS C. COLD FORMED METAL FRAMING - NON-LOAD BEARING CURTAINWALL
- D. STEEL JOIST AND GIRDERS (OR APPROPRIATE REFERENCES TO SJI STANDARDS).
- . POST-TENSIONED CONCRETE TENDON ANCHORAGES AND EFFECTIVE STRESSES. F. SHORING AND RESHORING

CASE B: INTERIOR ZONE (PSF)

G. FERO FAST THERMAL BRACKET CONNECTION DESIGN TO ELEVATED POST-TENSIONED CONCRETE SLAB.

COMPONENTS AND	CLADDING		
WIND SPEED, V - 120 EXPOSURE CATEGO SEE VALUES BELOW (ENCLOSED BU	RY B		
ROOF			
		HEIGHT, H < 6	0 FT
ROOF AREA	10 S.F.	50 S.F.	100 S.F.
NEGATIVE ZONE 1 SURFACE PRESSURE (PSF)	-28.1	-26.5	-25.7
NEGATIVE ZONE 2 SURFACE PRESSURE (PSF)	-47.2	-35.5	-30.5
NEGATIVE ZONE 3 SURFACE PRESSURE (PSF)	-71.0	-42.7	-30.5
POSITIVE ALL ZONES	16.0	16.0	16.0
OVERHANG ZONE 1 & 2 SURFACE PRESSURE (PSF)	-40.5	-38.8	-38.1
OVERHANG ZONE 3 SURFACE PRESSURE (PSF)	-66.7	-33.4	-19.1
PARAPET			
		HEIGHT, H < 6	0 FT
SOLID PARAPET AREA	10 S.F.	100 S.F.	500 S.F.
CASE A: INTERIOR ZONE (PSF)	65.7	44.8	42.1
CASE A: CORNER ZONE (PSF)	90	44.8	42.1

CASE B: CORNER ZONE (PSF)	-52.6	-41.0	-32.8
CASE A = PRESSURE TOWARDS BUILDING (+) CASE B = PRESSURE AWAY FROM BUILDING (-)			
WALLS			
	HEIGHT, H < 60 FT		
WALL AREA	10 S.F.	100 S.F.	500 S.F.
NEGATIVE ZONE 4 SURFACE PRESSURE (PSF)	-27.9	-24.1	-21.4

-46.0

-34.3

-38.3

-26.7

25.7 | 22.0 |

-21.4

19.3

1. SEE ASCE 7 FOR ZONE DEFINITIONS. 2. ALL WIND PRESSURES SHOWN ARE ULTIMATE LOADS.

NEGATIVE ZONE 5 SURFACE PRESSURE (PSF)

POSITIVE ZONES 4 & 5 SURFACE PRESSURE (PSF)

033000 - CAST-IN-PLACE CONCRETE

- CONCRETE WORK, DETAILING, FABRICATION AND PLACING OF BARS AND CONCRETE SHALL BE GOVERNED BY THE APPLICABLE VERSION
- A. ACI 301, ACI 315, AND ACI 318.
- B. CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS. C. ACI 306 AND ACI 305 FOR COLD AND HOT WEATHER CONCRETING, RESPECTIVELY. THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATIONS QUOTED ABOVE ON THE SITE AND THE SUPERVISORY PERSONNEL SHALL BE THOROUGHLY
- A. LEAN CONCRETE UNDER FOUNDATIONS FOR EARTH FILL DUE TO ACCIDENTAL OVEREXCAVATION OR SOFT SPOTS. 3. CONCRETE REQUIREMENTS AND LOCATION IN JOB:

			MAX W/C	SPECIAL
<u>CLASS</u>	<u>LOCATION</u>	<u>f'c</u>	<u>RATIO</u>	<u>REQUIREMENTS</u>
1	FOOTINGS	3000 PSI		
2	PIERS, WALLS, EQUIPMENT PADS	3000 PSI	0.55	
3	EXTERIOR CONCRETE	4500 PSI	0.45	6% +/- 1.5% AIR CONTENT
4	INTERIOR SLABS-ON-GRADE	3500 PSI	0.50	
5	SHEAR WALLS, COLUMNS	4000 PSI	0.50	
6	STAIR PAN FILL	3000 PSI	0.50	3/8" MAX. AGGREGATE
7	ELEVATED PT SLABS	5000 PSI	0.40	
8	LEAN CONCRETE	1500 PSI		NO TESTS, SOFT SOIL REPLACE
9	FLOWABLE FILL	85 PSI		NO TESTS, UTILITY BACKFILL UNDI

SUBMIT CONCRETE MIXES FOR APPROVAL IN ACCORDANCE WITH ACI 301 BEFORE PLACING ANY CONCRETE ALL MIXES SHALL INCLUDE ASTM C150 PORTLAND CEMENT AND ALL AGGREGATE SHALL CONFORM TO ASTM C33.

- 4. REINFORCING REQUIREMENTS: A. BARS: ASTM A615, GRADE 60.
- B. WELDED WIRE REINFORCING: ASTM A185.
- . SMOOTH BARS: ASTM A36. D. SEVEN WIRE STRAND (GRADE 270) - ASTM A416.
- POST INSTALLED WEDGE ANCHORS:
- A. THE ENTIRE ANCHOR SHALL BE CARBON STEEL B. THE ENTIRE ANCHOR SYSTEM SHALL BE EVALUATED TO COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN
- ICC-ES EVALUATION REPORT. THE ANCHOR SYSTEM SHALL MEET THE REQUIREMENTS OF ACI 355.2, EVALUATED FOR USE IN
- C. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT, ORIENTATION, EDGE DISTANCE, AND SPACING. BASIS OF DESIGN: HILTI KWIK BOLT TZ2
- 6. POST INSTALLED SCREW ANCHORS A. THE ANCHOR SHALL COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN ICC-ES EVALUATION REPORT. THE ANCHOR SHALL BE SUITABLE FOR CRACKED CONCRETE.
- B. INTERIOR USE ONLY. THE ENTIRE ANCHOR SHALL BE CARBON STEEL WITH ZINC PLATING EQUIVALENT TO DIN EN 4042 (8µm MIN). C. PRE-DRILL HOLES WITH STANDARD AISI DRILL BIT PER THE MANUFACTURER'S INSTALLATION GUIDELINES. INSTALL THE ANCHOR
- D. PROVIDE ANCHORS WITH A DIAMETER AND LENGTH MARKING ON THE HEAD AS INDICATED ON THE DRAWINGS. 7. POST INSTALLED ADHESIVE ANCHORS AND DOWELS:
- A. THE ENTIRE ANCHOR SYSTEM SHALL BE EVALUATED TO COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN ICC-ES EVALUATION REPORT. THE ANCHOR SYSTEM SHALL MEET THE REQUIREMENTS OF ACI 355.4, EVALUATED FOR USE IN
- B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT, ORIENTATION, EDGE DISTANCE, AND SPACING. BASIS OF DESIGN: HILTI HIT-HY 200 WITH ASTM F1554 Gr. 36. ANCHORS SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL IF EXPOSED TO EXTERIOR CONDITIONS. SUBMIT PROPOSED SUBSTITUTION FOR APPROVAL WITH ACCOMPANYING ICC-ES REPORT.
- C. THE FOLLOWING PARAMETERS HAVE BEEN USED IN THE DESIGN:
- 1) MINIMUM AGE OF CONCRETE: 21 DAYS 2) CONCRETE TEMPERATURE RANGE: VERIFY ALLOWABLE BASE TEMPERATURE WITH MANUFACTURER
- 3) SHALL BE PROVIDED THAT INDICATES ANCHOR DOES NOT HAVE REDUCED CAPACITY COMPARED TO A DRY HOLE. 4) TYPE OF LIGHTWEIGHT CONCRETE (IF APPLICABLE): LIGHTWEIGHT AGGREGATE OR SAND
- 5) HOLE DRILLING AND PREP: ROTARTY HAMMER DRILL WITH HOLE CLEANING PER MANUFACTURER INSTRUCTIONS
- D. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT.
- A. DOWELS IN FOOTINGS TO MATCH VERTICAL REINFORCING IN CONCRETE WALLS, COLUMNS AND PIERS. DOWELS IN FOOTINGS FOR MASONRY WALLS ARE NOT REQUIRED UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DETAILS
- B. BEND ALL BARS 24 DIAMETERS AROUND CORNERS OF FOOTINGS. BARS AT THE INSIDE FACE OF THE CORNER SHALL BE CONTINUED ACROSS TO THE OUTSIDE AND THEN BENT. 9. SLABS, JOIST AND BEAMS:
- A. IF NO OTHER REINFORCING IS SHOWN IN A SLAB ON GRADE, PROVIDE 6x6-W1.4xW1.4 WWR AT MID-THICKNESS OF SLAB, UNO.
 - A. PROVIDE (2) #5 BARS CONTINUOUS ON EACH SIDE OF WALL OPENINGS, EXTENDING 2 FEET BEYOND EACH CORNER. B. CLASS B TENSION LAP SPLICES FOR HORIZONTAL AND VERTICAL WALL REINFORCING UNLESS NOTED.
 - C. STAGGER SPLICES IN WALLS SO THAT NO MORE THAN 1/3 OF THE REINFORCING IS SPLICED IN ANY GIVEN CROSS-SECTION. STAGGER D. WHERE OFF-SET SPLICES ARE USED IN THE COLUMN STEEL PLACE 3 SETS OF COLUMN TIES AT 3" c/c IMMEDIATELY BELOW AND
 - .. WHERE ANCHOR RODS ARE PLACED IN THE TOP OF COLUMNS OR PEDESTALS, PLACE 3 SETS OF COLUMN TIES EQUALLY SPACED
- WITHIN THE TOP 5" OF THE COLUMN OR PEDESTAL F. KEYED CONTRACTION JOINTS IN WALLS: MAXIMUM SPACING OF 30'-0" c/c.
- G. USE WATERSTOPS AT ALL BASEMENT WALL HORIZONTAL AND VERTICAL JOINTS.
- A. NO SPLICES IN BEAM, JOIST, OR SLAB STEEL UNLESS SPECIFICALLY SHOWN OTHERWISE B. TENSION SPLICES (REQUIRED AT THE BOTTOM OF ALL 2ND FLOOR COLUMNS) - LAP IN ACCORDANCE WITH THE ACI CODE AND THE

LAP SPLICE SCHEDULE										
		TOP	BAR	OTHER BAR						
BAR SIZE	LAP CLASS	f'c<4000	f'c≥4000 PSI	f'c<4000 PSI	f'c≥4000 PSI					
#3	Α	22"	19"	17"	15"					
	В	28"	24"	22"	19"					
#4	Α	29"	25"	22"	19"					
	В	37"	32"	29"	25"					
#5	Α	36"	31"	28"	24"					
	В	47"	40"	36"	31"					
#6	Α	43"	37"	33"	29"					
	В	56"	48"	43"	37"					
#7	Α	62"	54"	48"	42"					
	В	81"	70"	62"	54"					
#8	Α	71"	62"	55"	47"					
	В	93"	80"	71"	62"					
#9	Α	80"	70"	62"	54"					
	В	104"	91"	80"	70"					
#10	Α	91"	78"	70"	60"					
	В	118"	102"	91"	78"					
#11	Α	100"	87"	77"	67"					
	В	130"	113"	100"	87"					

- C. LAP WELDED WIRE REINFORCING 1 SPACE + 2" AT ALL EDGES AND ENDS OF SHEETS.
- A. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS WITH
- ARCHITECTURAL, MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH THE WORK. B. IF ANY OPENING NOT SHOWN ON THE PLAN IS REQUIRED, APPROVAL MUST BE SECURED FROM THE STRUCTURAL ENGINEER BEFORE
- PROCEEDING WITH THE WORK. 13. COVER
- A. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE: 1) UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3"
- 2) FORMED SURFACES EXPOSED TO EARTH OR WEATHER: 1 1/2" FOR #5 OR SMALLER, 2" FOR #6 OR LARGER. 3) FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: WALLS & SLABS: 3/4", BEAMS & COLUMNS (TO TIES OR STIRRUPS):
- 1 1/2". 14. MISCELLANEOUS:
- A. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER.
- B. PROVIDE ONE #4x3'-0" DIAGONAL REINFORCING BAR AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS OF SLABS ON GRADE C. PROVIDE EQUIPMENT PADS, INERTIA BASES AND CURBS AS NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS. UNLESS NOTED, DOWEL PADS WITH HOOKED #4x0'-6" PROJECTING 3" FROM CONCRETE BELOW AT 18" c/c EACH WAY. REINFORCE PADS WITH #4 @
- 18" c/c EACH WAY AT MID-DEPTH (FOR PADS <8" THICK) UNLESS REQUIRED OTHERWISE BY EQUIPMENT SUPPLIER. D. SUBMIT STEEL REINFORCING SHOP DRAWINGS THAT DETAIL FABRICATION, BENDING AND PLACEMENT PRIOR TO FABRICATION.

033816 - POST-TENSIONED BEAM AND SLAB STRESSING SEQUENCE NOTES

- BEGIN PARTIAL POST-TENSIONING WITHIN 24 HOURS OF CONCRETE PLACEMENT TO MINIMIZE THE OCCURRENCE OF SHRINKAGE AND TEMPERATURE CRACKING. PARTIAL PRE-STRESS FORCE SHALL BE DETERMINED TO BE PROPORTIONATELY LOWER THAN THE FULL PRE-
- STRESS FORCE BASED ON THE ACTUAL CONCRETE STRENGTH AT THE TIME THAT THE PARTIAL FORCE IS APPLIED. BEGIN PARTIAL STRESSING OPERATIONS IN THE FOLLOWING SEQUENCE:
- A. STRESS UNIFORM SLAB TENDONS.
- B. STRESS BANDED SLAB TENDONS.
- 3. BEGIN FULL PRE-STRESS FORCE APPLICATION AS SOON AS POSSIBLE. START STRESSING WHEN FIELD CURED CYLINDERS HAVE ATTAINED A REQUIRED COMPRESSIVE STRENGTH OF 0.75 f'c. FULL PRE-STRESS APPLICATION TO BEGIN WITHIN 3-5 DAYS OF CONCRETE
- PLACEMENT. 4. BEGIN FINAL STRESSING OPERATIONS IN THE FOLLOWING SEQUENCE:
- A. STRESS UNIFORM SLAB TENDONS.
- B. STRESS BANDED SLAB TENDONS.

042000 CONCRETE UNIT MASONRY

- 1. COMPRESSIVE STRENGTH OF MASONRY (f'm) 2,500 PSI, DETERMINED BY UNIT STRENGTH OR PRISM METHOD.
- A. HOLLOW AND SOLID LOAD BEARING CONCRETE MASONRY UNITS ASTM C90 NORMAL WEIGHT. NET COMPRESSIVE STRENGTH OF CMU = 3,250 PSI.
- 1) CONCRETE UNIT MASONRY WALLS ASTM C270 TYPE S.
- C. COARSE MASONRY GROUT: COMPLY WITH ASTM C476. 1) 28-DAY COMPRESSIVE STRENGTH TO MATCH F'M GIVEN IN ITEM 1.
- 2) PROVIDE GROUT WITH A SLUMP OF 8-11 INCHES AS MEASURED ACCORDING TO ASTM C143. 3) TESTING - PROVIDE ONE SET OF TESTS FOR EACH 5,000 SF OF WALL WITH A MINIMUM OF ONE TEST PER DAY.
- TESTS SHALL CONSIST OF EITHER (2) 6"X12" CYLINDERS, (3) 4"X8" CYLINDERS OR A GROUT TEST PER ASTM C 1019. D. MASONRY REINFORCEMENT:
- 1) HORIZONTAL JOINT REINFORCEMENT: 9 GA DEFORMED WIRE, LADDER TYPE REINFORCEMENT. a. IN EVERY SECOND BLOCK COURSE, FULL HEIGHT, AND WHERE SHOWN ON DRAWINGS.
 - b. IN FIRST BED JOINT ABOVE AND BELOW OPENINGS EXTENDING 24" BEYOND OPENING.
- c. LAP REINFORCEMENT A FULL WIDTH AT CORNERS AND INTERSECTIONS. 2) VERTICAL REINFORCING: ASTM A615-GRADE 60
- 3. REINFORCED MASONRY: A. INSTALL REINFORCING BARS IN LOCATIONS SHOWN. SEE TABLE BELOW FOR LAP SPLICE REQUIREMENTS.

CMU LAP SPLICE SCHEDULE (f'm=2000 PSI)													
	LAP SPLICE LENGTH (IN)												
BAR SIZE	8" CMU - CENTERED	12" CMU - CENTERED	8" CMU - EDGE	12" CMU - EDGE									
#4	13	N/A	22	N/A									
<i>#</i> 5	20	13	35	34									
#6	38	24	64	64									
#7	52	33	87	87									
#8	79	50	131	131									
#9	N/A	64	N/A	166									

NOTES: CENTERED & EDGE REFER TO THE REINFORCING BAR POSITION IN MASONRY WALL. FOR EDGE CONDITIONS, PROVIDE 2" OF COVER FROM EXTERIOR FACE OF CMU TO EDGE OF

- B. GROUT BLOCK WITH COARSE MASONRY GROUT VIBRATED IN PLACE TO FILL ALL VOIDS AND INTERSTICES. FOLLOW RECOMMENDATIONS OF NCMA TEK NO. 3-2.
- A. INSTALL CONTROL JOINTS IN ALL MASONRY WALLS AS INDICATED ON PLAN AND AT A SPACING NOT TO EXCEED THE LESSER OF THREE
- TIMES THE WALL HEIGHT OR 24 FEET ON CENTER.
- B. INSTALL CONTROL JOINTS AT THE FOLLOWING LOCATIONS:
- CHANGE IN WALL HEIGHT 2) CHANGE IN WALL THICKNESS
- 3) TRANSITION FROM INTERIOR WALL TO EXTERIOR WALL
- 4) TRANSITION FROM WALL BEARING ON FOUNDATION TO WALL BEARING ON FLOOR SLAB C. STOP ALL HORIZONTAL REINFORCING AT CONTROL JOINTS UNLESS NOTED OTHERWISE.
- 5. POST-INSTALLED SLEEVE ANCHORS: (FOR USE IN HOLLOW OR GROUT-FILLED CONCRETE MASONRY) A. THE ENTIRE ANCHOR SHALL BE CARBON STEEL.
- B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE BASIS OF DESIGN PRODUCT OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT DEPTH, ORIENTATION, EDGE DISTANCE, SPACING & PLACEMENT RELATING TO JOINTS IN MASONRY. BASIS OF DESIGN: HILTI HLC SLEEVE ANCHOR. INSTALL PER MANUFACTURER'S PRODUCT LITERATURE AND INSTALLATION GUIDELINES.
- 6. POST-INSTALLED SCREW ANCHORS: (FOR USE IN GROUT-FILLED CONCRETE MASONRY) A. THE ENTIRE ANCHOR SHALL BE CARBON STEEL; FOR INTERIOR USE ONLY.
- B. THE ANCHOR SHALL COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN ICC-ES EVALUATION REPORT SHOWING SUITABILITY FOR USE WITH GROUT-FILLED CONCRETE MASONRY.
- C. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE BASIS OF DESIGN PRODUCT OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT DEPTH, ORIENTATION, EDGE DISTANCE, SPACING & PLACEMENT RELATING TO JOINTS IN MASONRY. BASIS OF DESIGN: HILTI KWIK HUS-EZ SCREW ANCHOR.
- INSTALL PER MANUFACTURER'S LITERATURE AND INSTALLATION GUIDELINES. 7. POST-INSTALLED WEDGE ANCHORS: (FOR USE IN GROUT-FILLED CONCRETE MASONRY)
- A. THE ENTIRE ANCHOR SHALL BE CARBON STEEL. B. THE ANCHOR SHALL COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN ICC-ES EVALUATION REPORT SHOWING SUITABILITY WITH GROUT-FILLED CONCRETE MASONRY.
- C. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE BASIS OF DESIGN PRODUCT OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT DEPTH, ORIENTATION EDGE DISTANCE, SPACING & PLACEMENT RELATING TO JOINTS IN MASONRY. BASIS OF DESIGN: HILTI KWIK BOLT 3 WEDGE ANCHOR. INSTALL PER MANUFACTURER'S LITERATURE AND INSTALLATION GUIDELINES.
- 8. POST-INSTALLED ADHESIVE ANCHORS: (FOR USE IN HOLLOW OR GROUT-FILLED CONCRETE MASONRY) A. THE ENTIRE ANCHOR SHALL BE THREADED ROD ASTM A36, ASTM A307, ASTM A193 B7, ISO 898 CLASS 5.8. B. THE ADHESIVE ANCHOR SYSTEM SHALL COMPLY WITH THE APPLICABLE VERSION OF IBC AND BE CERTIFIED BY AN ICC-ES EVALUATION
- REPORT SHOWING SUITABILITY WITH HOLLOW AND GROUT-FILLED CONCRETE MASONRY. C. PLASTIC MESH SCREEN TUBES SHALL BE PROVIDED AT ALL HOLLOW MASONRY APPLICATIONS.
- D. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE BASIS OF DESIGN PRODUCT OR COMPARABLE PRODUCT CAPABLE OF RESISTING LOADS EQUIVALENT TO THE BASIS OF DESIGN PRODUCT WHEN USED WITH THE SAME EMBEDMENT DEPTH, ORIENTATION, EDGE DISTANCE, SPACING & PLACEMENT RELATING TO JOINTS IN MASONRY. BASIS OF DESIGN: HILTI HIT-HY 270 ADHESIVE. INSTALL PER MANUFACTURER'S LITERATURE AND INSTALLATION GUIDELINES.
- 9. COORDINATE BLOCK-OUTS, REVEALS, OPENINGS AND ALL OTHER BUILT-IN ITEMS WITH ALL CONTRACT DOCUMENTS AND TRADES.

051200 - STRUCTURAL STEEL FRAMING

- SPECIFICATIONS AND STANDARDS:
- UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY
- A. ANSI/AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. ASD. B. AISC 303 - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES
- C. AWS STANDARD WELDING SYMBOLS. D. AWS D1.1 STRUCTURAL WELDING CODE - STEEL. WELDING SHALL BE PERFORMED ONLY BY OPERATORS QUALIFIED, BY THE AWS STANDARD QUALIFICATION PROCEDURE, TO PERFORM THE PARTICULAR TYPE OF WORK REQUIRED.
- E. RCSC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. A. WELDS: VISUAL TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY ON ALL WELDS. INADEQUATE WELDS SHALL BE STRENGTHENED OR CUT OUT AND REPLACED
- B. STRUCTURAL STEEL: PROVIDE MILL REPORTS FOR PROPERLY IDENTIFIED MATERIALS ON REQUEST C. A325 AND A490 BOLTS: PROVIDE BOLT INSPECTION AS DETAILED IN SECTION 9 OF SPECIFICATIONS FOR STRUCTURAL JOINTS USING
- 3. MATERIALS: A. "W" SHAPES: ASTM A992 Fy = 50 KSI. B. CHANNELS: ASTM A36.
- C. ANGLES, PLATES AND BARS: ASTM A36. D. RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500 GR C, Fy = 50 KSI. E. ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, Fy = 46 KSI.
- F. WELDING ELECTRODES: AWS A5.1 OR A5.5 SERIES E70. G. BOLTS: ASTM A325.
- H. ANCHOR RODS: ASTM F1554 GRADE 36 (HEAVY HEX). I. SHEAR CONNECTORS: ASTM A108, AWS D1.1, TYPE B, HEADED STUD TYPE.
- J. PAINT AND PROTECTION NONE EXCEPT AS NOTED BELOW: 1) INTERIOR MEMBERS EXPOSED TO VIEW IN THE FINISHED STRUCTURE - PRIME COAT, TOUCH UP AFTER ERECTION. 2) MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURE, SHELF ANGLES AND LINTELS IN EXTERIOR WALLS - GALVANIZED PER ASTM A123 AFTER FABRICATION.
- K. SHRINKAGE-RESISTANT GROUT: ASTM C1107, NON-METALLIC AGGREGATE, NON-CORROSIVE, NON-STAINING. F'C= 5,000 PSI MIN.
- A. LINTELS FOR EXTERIOR WALL OPENINGS AND SHELF ANGLES HOT DIPPED GALVANIZED. B. 8" BEARING EACH SIDE OF OPENINGS UNLESS NOTED.
- C. UNLESS SHOWN OTHERWISE, PROVIDE 1 ANGLE FOR EACH 4" WALL THICKNESS AS FOLLOWS: MASONRY OPENING ANGLE SIZE 3'-6" OR LESS L 3 1/2x3 1/2x1/4 3'-7" TO 5'-0" L 4x3 1/2x1/4 LLV 5'-1" TO 8'-0" L 5x3 1/2x5/16 LLV
- 8'-1" TO 10'-0" L 6x3 1/2x5/16 LLV 5. CONNECTION REQUIREMENTS:
- A. DESIGN CONNECTIONS FOR VERTICAL REACTIONS SHOWN ON DRAWINGS. B. DESIGN MOMENT BEAM CONNECTIONS FOR VALUES SHOWN ON DRAWINGS OR PER DETAILS PROVIDED. C. CONNECTIONS SHOWN AND DETAILED ON THE DRAWINGS MAY BE REDESIGNED BY THE STRUCTURAL STEEL CONTRACTOR FOR EQUAL FORCES PROVIDED THE SAME ARRANGEMENT OF MEMBERS IS USED AND THE OVERALL SIZE OF THE CONNECTION DOES NOT EXCEED
- THAT OF THE CONNECTION DETAILED. D. OBTAIN APPROVAL FROM STRUCTURAL ENGINEER FOR TYPES OF CONNECTIONS BEFORE FABRICATION. E. ALL BOLTED CONNECTIONS TO BE SHEAR/BEARING TYPE WITH BOLTS IN THE SNUG TIGHT CONDITION UNLESS NOTED OTHERWISE.
- MISCELLANEOUS REQUIREMENTS: A. ROUND PENETRATIONS ARE PERMITTED IN THE WEB OF WIDE-FLANGE MEMBERS THAT MEET ALL OF THE FOLLOWING CRITERIA.
- CONTACT SMBH FOR PENETRATIONS THAT DO NOT MEET THESE CRITERIA. OPENING DIAMETER IS LESS THAN OR EQUAL TO 0.15 TIMES THE DEPTH OF THE BEAM.
- 2) EDGE OF OPENING IS A MINIMUM OF 0.15 TIMES THE DEPTH OF THE BEAM FROM THE TOP AND BOTTOM OF THE BEAM. 3) OPENINGS ARE NOT PERMITTED WITHIN 1.0 TIMES THE DEPTH OF THE BEAM AWAY FROM THE ENDS. 4) OPENINGS ARE NOT PERMITTED WITHIN 0.5 TIMES THE DEPTH OF THE BEAM AWAY FROM AN INFILL BEAM CONNECTION. 5) EDGES OF ADJACENT OPENINGS ARE AT LEAST 2X THE LARGEST OPENING DIAMETER APART.
- B. STEEL FRAMING INTENDED TO SUPPORT EQUIPMENT OR MECHANICAL/ELECTRICAL/PLUMBING OPENINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS WITH MECHANICAL AND OTHER REQUIREMENTS BEFOR PROCEEDING WITH THE WORK. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS OF STEEL ANGLE FRAMES FOR OPENINGS THAT ARE SHOWN ON THE MECHANICAL AND ARCHITECTURAL DRAWINGS.
- C. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF MASONRY. D. DO NOT PAINT THE BACK FACE OF EMBED PLATES THAT ARE EMBEDED IN CONCRETE.
- E. ANGLE SUPPORTS FOR METAL DECK RIBS AT COLUMNS WHEN THE COLUMN SIZE PREVENTS THE RIBS FROM CONTINUING TO THE BEAMS THAT ARE SUPPORTING THE DECK AT COLUMN LINES. F. UNLESS NOTED OTHERWISE, FIREPROOFING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS
- FOR FIRERATING REQUIREMENTS, METHODS AND MATERIALS. G. SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION.

052100 - STEEL JOIST FRAMING

- 1. DESIGN, MANUFACTURING, AND ERECTION: ACCORDING TO THE STANDARD SPECIFICATIONS, LOAD TABLES & WEIGHT TABLES FOR STEEL JOISTS & JOIST GIRDERS ADOPTED BY THE STEEL JOIST INSTITUTE.
- 2. STEEL JOISTS OF THE SAME DEPTH AND CHORD DESIGNATION SHALL HAVE MEMBER SIZES OF UNIFORM CONSISTENCY.
- 3. PAINT ALL JOISTS WITH MANUFACTURERS STANDARD SHOP PRIMER UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT.
- 4. PROVIDE ADDITIONAL WEB MEMBERS AS REQUIRED AT CONCENTRATED LOADS THAT DO NOT OCCUR AT PANEL POINTS. SEE TYPICAL
- A. BRIDGING QUANTITY AND SPACING AS REQUIRED BY SJI SPECIFICATION AND PER ERECTION DRAWINGS OF JOIST SUPPLIER.
- B. ANCHOR ALL BRIDGING TO INTERSECTING WALLS AND BEAMS UNLESS OTHERWISE SHOWN CONNECTIONS TO SUPPORTING STEEL:
- A. WELDING: 2 1/2" OF 1/8" FILLET EACH SIDE FOR K AND KCS JOISTS. B. BOLTING: (2) 1/2" DIAMETER A307 FOR K AND KCS.

7. MINIMUM BEARING REQUIREMENTS, UNLESS NOTED OTHERWISE:

- C. BOLT JOISTS AT OR NEAREST TO COLUMNS, PER SJI SPECIFICATIONS. D. EXTEND BOTTOM CHORD OF JOISTS IN LINE WITH COLUMNS TO STABILIZER PLATES ON COLUMNS OR BEAMS.
- A. K SERIES: 2 1/2" ON STRUCTURAL STEEL, 4" ON CONCRETE OR MASONRY 8. PROVIDE MATCHING HEIGHT SEATS ON JOISTS THAT HAVE COMMON BEARING. SHOE HEIGHTS TO MATCH SJI STANDARDS UNLESS NOTED
- 9. ADJACENT JOISTS OF THE SAME DEPTH ARE TO HAVE WEB MEMBERS IN LINE TO PERMIT PASSAGE OF MECHANICAL DUCTS.
- 10. JOIST SUPPLIER SHALL VERIFY THAT JOISTS AND BRIDGING ARE CAPABLE TO RESIST THE NET UPLIFT LOADS SPECIFIED. 11. JOIST SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION.
- 12. DEFLECTION CRITERIA FOR JOIST / JOIST GIRDER DESIGN (UNLESS NOTED OTHERWISE):
- ROOF TOTAL LOAD: L/180 ROOF LIVE LOAD: L/240

053100 - STEEL DECKING

- SPECIFICATIONS AND STANDARDS:
- A. DESIGN FABRICATION AND ERECTION OF STEEL DECK SHALL BE GOVERNED BY THE CURRENT EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE, SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
- B. PROPERTIES OF THE STRUCTURAL STEEL DECK SHALL BE COMPUTED IN ACCORDANCE WITH THE REFERENCE STANDARD. THE PROPERTIES SHALL BE PUBLISHED IN THE MANUFACTURER'S CATALOG. C. AWS STANDARD WELDING SYMBOLS.
- D. AWS D1.3 SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES. E. WELDING SHALL BE PERFORMED ONLY BY OPERATORS QUALIFIED, BY THE AWS STANDARD QUALIFICATION PROCEDURE, TO PERFORM
- THE PARTICULAR TYPE OF WORK REQUIRED. PRODUCTS:
- A. ACOUSTICAL ROOF DECK (VERSA-DEK 2.0 LS ES ACOUSTICAL): 1) GALVANIZED STEEL DECK: ASTM A653, STRUCTURAL STEEL (SS), GRADE 40 MIN, G60 ZINC COATING.
- B. NON-COMPOSITE FORM DECK: 1) GALVANIZED STEEL DECK: ASTM A653, STRUCTURAL STEEL (SS), GRADE 33 MIN, G60 ZINC COATING. 3. CONNECTIONS:
- 1) ANCHOR STEEL DECK TO SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS AT A MAXIMUM AVERAGE SPACING OF 6" ON CENTER (24.5 / 4 PATTERN. PROVIDE #10 SIDE LAP SCREWS AT A MAXIMUM SPACING OF 18" ON CENTER. 2) MECHANICAL FASTENERS MAY BE USED IN LIEU OF WELDING TO FASTEN THE DECK. SUBMIT SUBSTITUTION REQUESTS WITH PRODUCT DATA, ATTACHMENT PATTERN AND PERFORMANCE DATA INDICATING DIAPHRAGM CAPACITY MEETS OR EXCEEDS
- THAT OF THE SPECIFIED WELD PATTERN. B. WELDING ELECTRODES: AWS A5.1, A5.5 OR A5.18 SERIES E60.

1) ROOF DECK: 9'-9"/11'-6"/11'-6" FOR 2" X 20 GA

A. ROOF DECK

- 4. ERECTION AND FABRICATION A. MINIMUM BEARING: 2 INCHES UNLESS OTHERWISE SHOWN.
- B. ROOF DECK MINIMUM LAP LENGTH: 4 INCHES UNLESS NOTED OTHERWISE. C. NON-COMPOSITE FLOOR DECKS SHALL BE EITHER LAPPED OR BUTTED OVER SUPPORTS.
- D. FABRICATE DECK UNITS IN LENGTHS TO SPAN THREE OR MORE SUPPORT SPACINGS. E. MINIMUM UNSHORED SPANS (SINGLE SPAN / DOUBLE SPAN / TRIPLE SPAN):

C. OPENINGS IN ROOF DECK GREATER THAN 12"x12" SHALL BE SUPPORTED ON STEEL ANGLE FRAMES.

- F. DO NOT SUSPEND POINT LOADS FROM DECK INCLUDING HANGERS FOR: CEILINGS, PIPES, DUCTS, EQUIPMENT, ETC. CONTRACTOR INSTALLING SUCH POINT LOADS SHALL PROVIDE SUB-FRAMING TO TRANSFER LOAD TO STRUCTURE SUPPORTING DECK. G. DECK SUPPLIER TO PROVIDE DECK CLOSURE WHERE REQUIRED FOR CONCRETE PLACEMENT.
- OPENINGS IN STEEL DECK. A. OPENINGS CUT IN THE STEEL DECK SHALL BE REINFORCED OR SHALL BE SUPPORTED ON STEEL ANGLE FRAMES. COORDINATE SIZES AND LOCATIONS WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS.
- B. OPENINGS IN STEEL DECK EQUAL TO OR LESS THAN 12"x12" SHALL BE REINFORCED WITH A 24"x24" 16 GAGE PLATE SCREWED OR WELDED TO THE DECK RIBS ON ALL SIDES OF THE OPENING.

054000 - COLD-FORMED METAL FRAMING

- SPECIFICATIONS AND STANDARDS A. STRUCTURAL PROPERTIES OF COLD-FORMED METAL FRAMING SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR
- THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND SHALL BE PUBLISHED IN THE MANUFACTURERS CATALOG. B. WELDING SHALL BE PERFORMED ONLY BY QUALIFIED OPERATORS USING PROPER EQUIPMENT FOR THE PARTICULAR
- C. AWS STANDARD WELDING SYMBOL D. AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES. 2. MATERIALS:

TYPE OF WORK REQUIRED.

- A. ALL STUDS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 5/8" AND BE A MINIMUM OF 18 GAGE (33 MIL) WHERE USED AS B. MEMBERS 54 MILS AND HEAVIER: ASTM A1003, GRADE 50, TYPE H.
- .. MEMBERS 43 MILS AND LIGHTER: ASTM A1003, GRADE 33, TYPE H. D. TRACK AND BRIDGING MATERIALS: ASTM A1003, GRADE 33, TYPE H. E. FRAMING SHALL BE GALVANIZED PER ASTM A653, G90 WHERE USED AS BRICK BACK-UP.
- F. WELDING ELECTRODES: AWS A5.1, A5.5 OR A5.18 SERIES E60.
- A. CUT FRAMING COMPONENTS TO FIT SQUARELY AGAINST ABUTTING MEMBERS AND HOLD FIRMLY IN POSITION UNTIL PROPERLY

B. PANELS SHALL BE SQUARE AND BRACED AGAINST RACKING.

C. WIRE TYING OF STRUCTURAL FRAMING COMPONENTS IS NOT PERMITTED. D. COMPONENTS SHALL BE FASTENED TOGETHER WITH A MINIMUM OF (3)#8 SCREWS OR AS SHOWN ON THE DRAWINGS. E. DO NOT FIELD WELD STEEL STUDS USED AS BACKING TO BRICK VENEER.

F. MAXIMUM STUD SPACING SHALL BE 16" c/c UNLESS NOTED OTHERWISE

- 4. MISCELLANEOUS REQUIREMENTS: A. ATTACH TRACK TO THE FLOOR AND OVERHEAD STRUCTURE AS NOTED. B. SEAT STUDS SQUARELY TO THE FLOOR AND OVERHEAD TRACK AND CONNECT AS NOTED.
- SPLICES IN MEMBERS ARE NOT PERMITTED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. D. DO NOT ALLOW AXIAL LOADS TO STUDS UNTIL ALL BRIDGING, CONNECTIONS, AND ATTACHMENT OF COLLATERAL MATERIALS ARE
- E. INSTALL BRIDGING IN WALL SPACE BRIDGING AT 4'-0" c/c MAX OR IN ACCORDANCE WITH THE MANUFACTURER'S

REVISION SCHEDULE

REVISION DESCRIPTION

1 |07.05.22 |Addendum 01

PROJECT NAME:

CML REYNOLDSBURG

REYNOLDSBURG, OHIO 43068

1402 BRICE ROAD

100% CONSTRUCTION DOCUMENTS

06/10/2022

ISSUED FOR BIDDING AND PERMITS **ISSUE DATE:**

1166 Dublin Road Suite 200 Columbus, OH 43215-1038

614-481-9800



GENERAL NOTES

	PART 1. SCI	HEDULE OF SPECIA	AL INSPECTIONS				PART 1: SCHEDII	II F OF SPECIAL IN	ISPECTIONS (CONT)			PART 1: SCHEDI	II F OF SPECIAL IN	SPECTIONS (CONT)		
	STATEME	ENT OF SPECIAL IN	SPECTIONS			VEDICICATION AND INCORCTION TACK	FREQUENCY O	OF INSPECTION	REFERENCE FOR CRITERIA	DEALA DI/C	VEDICICATION AND INCORCTION TACK	FREQUENCY C	OF INSPECTION	REFERENCE FOR C		DEM
A. CONTINUOUS: THE FULL-TIME OF	SERVATION OF W	ORK REQUIRING S	NCY DEFINITIONS: PECIAL INSPECTION WORK IS BEING PE	n by an appro	VED SPECIAL INSPECTOR	VERIFICATION AND INSPECTION TASK	CONTINUOUS TABLE N5.4	PERIODIC -2 (AISC 360-10,	REFERENCED IBC STANDARD A SECTION PER 1705.2.1)	REMARKS	VERIFICATION AND INSPECTION TASK	CONTINUOUS TABLE N5.6	PERIODIC -3 (AISC 360-10, F		IBC SECTION	REM
B. PERIODIC: THE PART-TIME OR INTE	ERMITTENT OBSER	VATION OF WORK	REQUIRING SPECIA	AL INSPECTION	BY AN APPROVED SPECIAL			URING WELDING	OF STRUCTURAL STEEL					F STRUCTURAL STEEL		
INGI ECTOR WITO ISTRESERVING THE P	NEA WIENE THE	WORK.	or is being rent o		THE COM LETION OF THE	USE OF QUALIFIED WELDERS CONTROL AND HANDLING OF WELDING CONSUMABLES:	-	X			DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X TABLE N6.	- 1 (AISC 360-10, PI		1705.2.1	
		HEDULE OF SPECIA				- PACKAGING	-	Х						UCTION PRIOR TO CON	NCRETE PLACEME	:NT
VERIFICATION AND INSPECTION TASK	CONTINUOUS	OF INSPECTION PERIODIC	REFERENCE F REFERENCED STANDARD A	IBC SECTION	REMARKS	- EXPOSURE CONTROL NO WELDING OVER CRACKED TACK WELDS	-	X	_		PLACEMENT AND INSTALLATION OF STEEL DECK PLACEMENT AND INSTALLATION OF	N/A	-			
	IBC 170	U5.2 STEEL CONST		SECTION		ENVIRONMENTAL CONDITIONS:			_		STEEL HEADED STUD ANCHORS DOCUMENT ACCEPTANCE OR REJECTION	N/A	-	AISC 360-10	1705.2.1	
FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N,	EACH SUBMITTAL		AISC 360-10	1705.2		- WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	-	X			OF STEEL ELEMENTS	N/A 1705.2.2	COLD-FORMED S	TEEL DECK		
PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS	SODMITTAL					WPS FOLLOWED: - SETTINGS ON WELDING EQUIPMENT					MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK, INCLUDING IDENTIFICATION MARKINGS TO					
MATERIAL VERIFICATION OF STRUCTURAL STEEL		X	AISC 360-10	1705.2		- TRAVEL SPEED - SELECTED WELDING MATERIALS			AISC 360-10 1705.2.1		CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND		Х			
EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS)		X	AISC 360-10	1705.2		- SHIELDING GAS TYPE/FLOW RATE		Х			MANUFACTURER'S CERTIFIED TEST REPORTS					
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF			1155 240 40	4705.0		- PREHEAT APPLIED - INTERPASS TEMPERATURE MATINTAINED					CONNECTION OF COLD-FORMED STEEL DECK TO SUPPORTING STRUCTURE:				1705.2.2	
JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS		^	AISC 360-10	1705.2		- PROPER POSITION (F, V, H, OH)			_		-WELDING -OTHER FASTENERS: VERIFY FASTENERS	-	X			
	TABLE N5.4	4-1 (AISC 360-10,	PER 1705.2.1)			WELDING TECHNIQUES: - INTERPASS AND FINAL CLEANING					ARE IN CONFORMANCE WITH APPROVED SUBMITTAL AND VERIFY INSTALLATION IS IN CONFORMANCE WITH APPROVED	-	Х			
WELDING PROCEDURE SPECIFICATIONS	PECTION TASKS PI	RIOR TO WELDING	OF STRUCTURAL	STEEL		- EACH PASS WITHIN PROFILE LIMITATIONS	-	Х			SUBMITTAL AND MANUFACTURER'S RECOMMENDATIONS		TABLE 470F 2 2			
(WPSS) AVAILABLE MANUFACTURER CERTIFICATIONS FOR	X	-				- EACH PASS MEETS QUALITY REQUIREMENTS	TADI ENE 4	2 (AISC 240 10	DED 1705 2 1)			OPEN-WEB S	TABLE 1705.2.3 TEEL JOISTS AND			
WELDING CONSUMABLES AVAILABLE MATERIAL IDENTIFICATION	X	-						-3 (AISC 360-10, AFTER WELDING (PER 1705.2.1) DF STRUCTURAL STEEL		INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS A. END CONNECTIONS		V	-		
(TYPE/GRADE) WELDER IDENTIFICATION SYSTEM	-	X				WELDS CLEANED SIZE, LENGTH, AND LOCATION OF WELDS	- X	X -			B. BRIDGING - HORIZONTAL AND DIAGONAL		, A	SJI 2207.1	1705.2.3	
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY):						WELDS MEET VISUAL ACCEPTANCE CRITERIA:	,		-		1. STANDARD BRIDGING	-	X			
- JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT	-					- CRACK PROHIBITION					2. BRIDGING THAT DIFFERS FROM SJI SPECIFICATIONS		X X	ANIMA (O FEET OD CD	DEATED.	
OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL		Х		.===		- WELD/BASE-METAL FUSION - CRATER CROSS SECTION	X	-			COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER -	2.4 COLD-FORMED ST	EEL TRUSSES SPA	NNING 60 FEET OR GR	REATER	
SURFACES) - TACKING (TACK WELD QUALITY AND	_		AISC 360-10	1705.2.1		- WELD PROFILES - WELD SIZE			AISC 360-10 1705.2.1		VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING MEMBERS ARE	-	N/A		1705.2.4	
LOCATION) - BACKING TYPE AND FIT						- UNDERCUT - POROSITY					INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL					
CONFIGURATION AND FINISH OF ACCESS HOLES	-	Х				ARC STRIKES	X	-	-				EDULE OF SPECIA		- 4)	
FIT-UP OF FILLET WELDS: - DIMENSIONS (ALIGNMENT, GAPS AT						BACKING REMOVED AND WELD TABS REMOVED	X	-	_			`		CE 5-13, PER IBC 1705 ONRY CONSTRUCTION		
ROOT) - CLEANLINESS (CONDITION OF STEEL		X				REPAIR ACTIVITIES	X	-	_		VERIFICATION AND INSPECTION	FREQUENCY OF CONTINUOUS	F INSPECTION PERIODIC		MS 602/ ACI	RE/
- TACKING (TACK WELD QUALITY AND	_					DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	-			VERIFY COMPLIANCE WITH THE			ACI 530/ 53 ASCE 5	30.1/ ASCE 6	
LOCATION)						CJP GROOVE WELD NDT: - UT TESTING ON ALL BUTT, T- &					APPROVED SUBMITTALS 2. AS MASONRY CONSTRUCTION	-	X		1.5	
						CORNER JOINTS IN MATERIALS 5/16" THICK OR GREATER (RISK CATEGORY III OR IV ONLY)	AS NO	OTED	AISC 360-10 4705 2.4		BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
						- UT TESTING ON 10% OF BUTT, T- & CORNER JOINTS IN MATERIALS 5/16"	AC NV	OTED	N5.5B 1705.2.1		A. PROPORTIONS OF SITE-PREPARED MORTAR B. CONSTRUCTION OF MORTAR	-	X		2.1, 2.6 A	
						THICK OR GREATER (RISK CATEGORY II ONLY)	III CA	OTED			JOINTS. C. GRADE AND SIZE OF PRESTRESSING TENDONS AND	-	N/A	2	3.3 B 2.4 B, 2.4 H	
						ACCESS HOLE NDT: - MT OR PT TESTING OF ALL					D. LOCATION OF	-	N/A	2	2.4 D, 2.4 N	
						THERMALLY CUT SURFACES OF ACCESS HOLES (WHEN FLANGE THICKNESS > 2" OF ROLLED SHAPES OR WEB THICKNESS	AS NO	OTED	AISC 360-10 N5.5C 1705.2.1		REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X		3.4, 3.6 A	
						> 2" FOR BUILT-UP SHAPES) OTHER NDT:					E. PRESTRESSING TECHNIQUE F. PROPERTIES OF THIN-BED	-	N/A		3.6 B	
						- WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPX 3,	AS NO	OTED	AISC 360-10 1705.2.1		MORTAR FOR AAC MASONRY	N/A	N/A		2.1 C	
						TABLE A-3.1 -FABRICATOR'S NDT REPORTS WHEN	VERIFY F	DEDODTS	AISC 360-10 1705.2.1		3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
						FABRICATOR PERFORMS NDT	VERIFT	REPURTS	AISC 300-10 1703.2.1		A. GROUT SPACE	-	X	3	3.2 D, 3.2 F	
							PART 1: SCH	EDULE OF SPECIA	AL INSPECTIONS		B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND		X	6.1	2.4, 3.4	
						VERIFICATION AND INSPECTION TASK		DF INSPECTION PERIODIC	REFERENCE FOR CRITERIA REFERENCED IBC	REMARKS	ANCHORAGES					
						VERNITOR THOU THOSE ECTION TO BE		-1 (AISC 360-10,	STANDARD ^A SECTION	NEWWO	C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND	-	X	6.1, 6.2.1, 6.2.6, 6.2.7	3.2 E, 3.4, 3.6 A	
						MANUFACTURER CERTIFICATIONS	ISPECTION TASKS PR	RIOR TO BOLTING	OF STRUCTURAL STEEL		D. PROPORTIONS OF					
						AVAILABLE FOR FASTENER MATERIALS FASTENERS MARKED IN ACCORDANCE	X	-	-		SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	X		2.6 B, 2.4 G.1.B	
						WITH ASTM REQUIREMENTS PROPER FASTENERS SELECTED FOR THE	-	X			E. CONSTRUCTION OF MORTAR JOINTS	-	X		3.3 B	
						JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	-	Х			VERIFY DURING CONSTRUCTION: A. SIZE AND LOCATION OF					
						PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	-	X	- -		A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS B. TYPE, SIZE, & LOCATION OF	-	X		3.3 F	
						CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE			AISC 360-10 1705.2.1		ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR	-	x	1.16.4.3, 1.17.1		
						CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE	-	X			OTHER CONSTRUCTION					
						PRE-INSTALLATION VERIFICATION					C. WELDING OF REINFORCEMENT	N/A	-	2.1.7.7.2, 3.3.3.4(C), 8.3.3.4(B)		
						TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS	-	Х			D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY					
						PROPER STORAGE PROVIDED FOR			-		DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	-	X	1	1.8 C, 1.8 D	
						BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	-	X			E. APPLICATION AND MEASUREMENT OF PRESTRESSING	N/A	-		3.6 B	
SIGN, LTD.						ll ll		-2 (AISC 360-10, URING BOLTING	PER 1705.2.1) OF STRUCTURAL STEEL		F. PLACEMENT OF GROUT &					
TURE & DE						FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND	-	X			PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	N/A	-		3.5, 3.6 C	
S ARCHITEC						WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED		,			G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	N/A	N/A		3.3 B.9, 3.3 F.1.B	
THAN BARNE						JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	-	Х			5. OBSERVE PREPARATION OF GROUT			1	1.4 B.2.A.3, 1.4 B.2.B.3,	
2017 JONAT						FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM	-	Х	AISC 360-10 1705.2.1		SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	-	X	1	1.4 B.2.C.3, 1.4 B.3, 1.4 B.4	
.15 AM ©						FASTENERS ARE PRETENSIONED IN			-							
7/1/2022 10:08:						ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	-	N/A								

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS ^A	IBC SECTION	REMARKS
INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	-	Х	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4000	
2. Inspection of Reinforcing Steel Welding					
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;	-	N/A	AWS D1.4, ACI 318: 26.6.4	-	
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	Х			
C. INSPECT ALL OTHER WELDS	X	-			
3. INSPECTION OF ANCHORS CAST IN CONCRETE	-	Х	ACI 318: 17.8.2	-	
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.					
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2	-	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	-	Х			
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	Х	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	
6. PRIOR TO CONCRETE PLACEMENT,			ASTM C 172		
FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT	X	_	ASTM C 31	1908.10	
TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.			ACI 318: 26.4, 26.12	1700110	
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Х	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8	
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3, 26.5.5	1908.9000	
9. INSPECTION OF PRESTRESSED CONCRETE:					
A. APPLICATION OF PRESTRESSING FORCES.	Х	_	ACI 318: 26.10	_	
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE RESISTING SYSTEM.	Х				
10. ERECTION OF PRECAST CONCRETE MEMBERS.	-	Х	ACI 318: 26.8	-	
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	Х	ACI 318: 26.11.2	-	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	Х	ACI 318: 26.11.1.2(B)	-	

PART I: SCHEDULE OF SPECIAL INSPECTIONS

IBC TABLE 1705.6											
REQUIRED VERIFICATION AND INSPECTION OF SOILS											
VERIFICATION AND INSPECTION TASK CONTINUOUS DURING TASK LISTED PERIODICALLY DURING REMARKS TASK LISTED											
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X									
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X									
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-	X									
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-									
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY SITE HAS BEEN PREPARED PROPERLY.	-	X									

PART I: SCHEDULE OF SPECIAL INSPECTIONS

REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

	PART II: LIST OF SPECIAL INSPECTORS	
ITEM	INSPECTION COMPANY	NAME OF INSPECTOR
Fabricators (1704.2.5 IBC)		
STEEL CONSTRUCTION (1705.2 IBC)		
CONCRETE CONSTRUCTION (1705.3 IBC)		
MASONRY CONSTRUCTION (1705.4 IBC)		
WOOD CONSTRUCTION (1705.5 IBC)	N/A	
SOILS (1705.6 IBC)		
PILE FOUNDATION (1705.7 IBC)	N/A	
PIER FOUNDATION (1705.8 IBC)	N/A	
HELICAL PILE FOUNDATION 1705.9 IBC)	N/A	

REVISION SCHEDULE

DATE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME :

CML REYNOLDSBURG

1402 BRICE ROAD

REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS

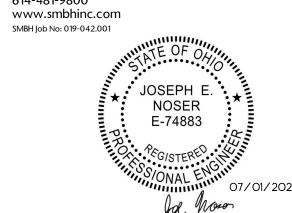
ISSUED FOR BIDDING AND PERMITS

ISSUE DATE:

06/10/2022

STRUCTURA

1166 Dublin Road Suite 200
Columbus, OH 43215-1038
614-481-9800



SPECIAL INSPECTIONS

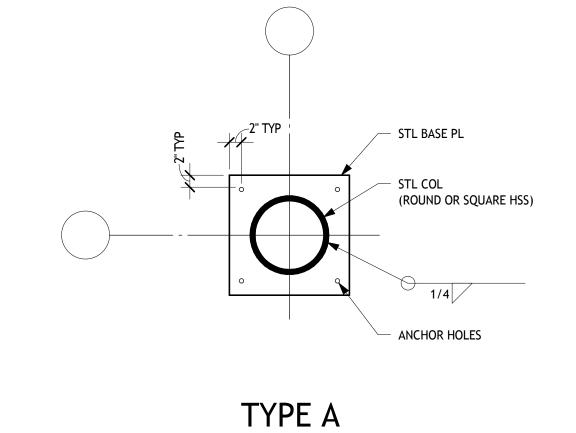
	GRAPHICAL COLUMN SCHEDULE																																		
ROUF	9 1/2" , TYP																																		ROOF
128'-0" SECOND FLOOR	(8) #7V #3 @ 9" T	(8) #7V #3 @ 9" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(88)	#3	(8) #7V #3 @ 12" T	(8) #7V #3 @ 17" T	8)	#3	#3 @ 12" T (8) #7V	#3 @ 12" T (8) #7V #3 @ 12" T	#3	(8) #7v #3 @ 9" T	(8) #7V #3 @ 9" T	113'-1" , TYP)	#3 @ 9" T	(8) #7V #3 @ 12" T		(8) #8V									(8) #7V #3 @ 9" T	128'-0" SECOND FLOOR				
114'-0"	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T)#7V 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 17" T	(8) #7V	2" T)#7V	12" T)#7V	#3 @ 12" T (8) #7V #3 @ 12" T	#7V	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	#8V	VZ#(8)	#3 @ 12" T (8) #8V #3 @ 15" T	(8) #7V #3 @ 12" T	(8) #8V #3 @ 15" T	(8) #8V	#8V	(8) #8V	(8) #8V	(8) #8V	(8) #8V ************************************	(8) #8V	(8) #8V (8) #8V (8) #8V (9) #80 (9) #80 (9) #80 (10) #80	(8) #8V	(8) #7V #3 @ 12" T	114'-0"				
100'-0"	, , , , , , , , , , , , , , , , , , ,	() - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () -							\(\frac{1}{2}\)			[,-,		<u> </u>	() - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () - () -			`	8-2	4		4	. *1	14 4	1-4:	-```	- , 414	14,	4	S= S=	<u> </u>	(S -) (S -)	<u> </u>	\(\frac{1}{2}\)	100'-0"
	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" DI TYPE				24" DIA TYPE II	24" DIA TYPE II	24" DIA TYPE II	24" x 24" TYPE I	24" DIA TYPE II	24" x 24" TYPE I	24" DIA TYPE II	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" x 24" TYPE I	24" DIA TYPE II					
Column Locations	A-6	A.2-7	B-2	B-2.5	B-3	B-4	B-5	B-6	B-7	C-2	C-2.5	C-5	C-6	C.2-7	C.5-6	D-1	D-2	E-1	E-2.5	F-1	F-2.4	G-1.5	G-2.4	H-1.5	H-2.4	l-1.5	I-2.4	J-1.5	J-2.4	RA-2	RA-2.5	RA-3	RA-4	RA-5	

	GRAPHICAL COLUMN SCHEDULE										
ROOF	124'-9 1/2" , TYP) -						ROOF			
128'-0"								128'-0"			
SECOND FLOOR	(8) #7V #3 @ 12" T	(8) #7V #3 @ 9" T	113'-1" , TYP				(8) #7V #3 @ 9" T	SECOND FLOOR			
114'-0"	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	(8) #7V #3 @ 12" T	114'-0"			
FIN FLR	, ** , *	,	, ** , · ; , · ; , · ; , · ; , ·		, Y , Y	, Y , Y	,	FIN FLR			
100'-0"	<u>(- </u>	r_	,	(<u>.</u>	(- 1	(- 1		100'-0"			
	24" DIA	24" DIA	24" DIA	24" DIA	24" DIA	24" DIA	24" DIA				
	TYPE II	TYPE II	TYPE II	TYPE II	TYPE II	TYPE II	TYPE II				
Column Locations	B-R1	C-R1	G-R2	H-R2	I-R2	J-R2	R1-RA				

- 1. ALL VERTICAL REINFORCEMENT SHALL BE HOOKED AT THE BOTTOM OF FOUNDATIONS AND SHALL TERMINATE WITH A HOOK AT TOP UNLESS NOTED OTHERWISE.
- ALL VERTICAL REINFORCEMENT LAP SPLICE LENGTHS SHALL BE CLASS B TENSION LAPS. 3. PROVIDE 1 1/2" CLEAR COVER TO TIE REINFORCEMENT FOR INTERIOR COLUMNS & 2" CLEAR COVER FOR EXTERIOR COLUMNS.
- 4. SEE THIS SHEET FOR TYPICAL COLUMN REINFORCEMENT PLACEMENT TYPES.

 GC TO COORDINATE PROJECTION LENGTH, TYP ANCHOR ROD -HEAVY HEX NUT, TYP

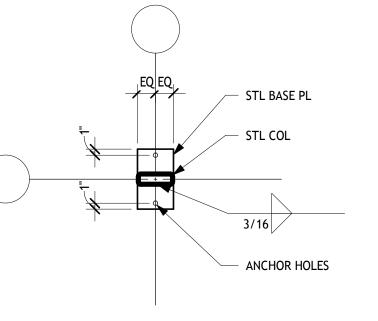




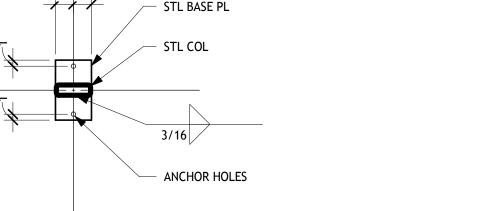
— STL BASE PL ANCHOR HOLES

TYPE B

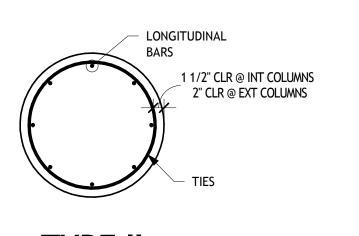
STEEL BASE PLATE TYPES
NO SCALE



TYPE C



TYPE I



TYPE II

TYPICAL CONCRETE COLUMN REINFORCING PLACEMENT TYPES

LONGITUDINAL

NOTE:
1. SEE GRAPHICAL CONCRETE COLUMN SCHEDULE THIS SHEET FOR REBAR SIZE AND SPACING.

REVISION SCHEDULE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME:

CML REYNOLDSBURG

1402 BRICE ROAD REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS

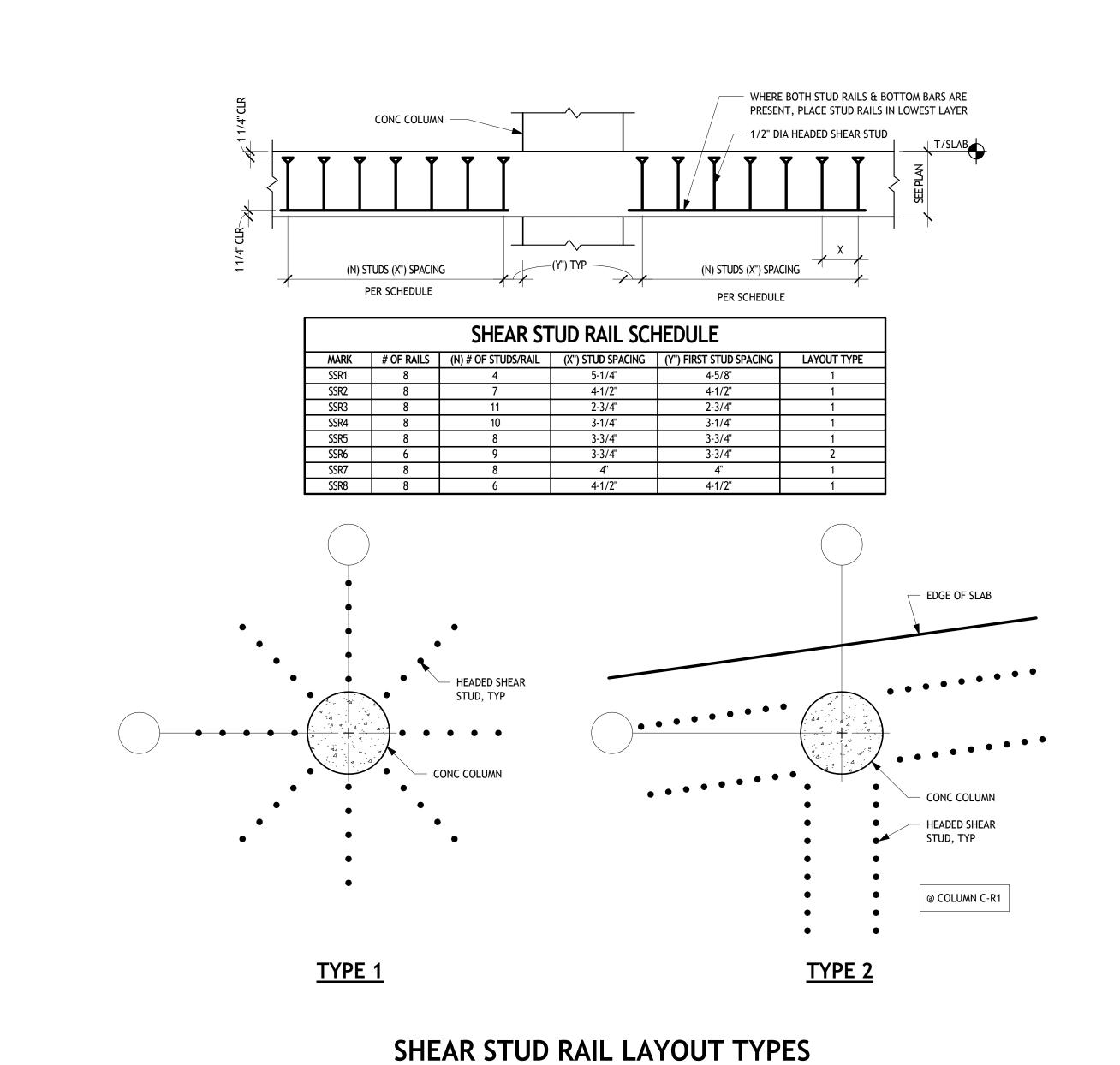
ISSUED FOR BIDDING AND PERMITS

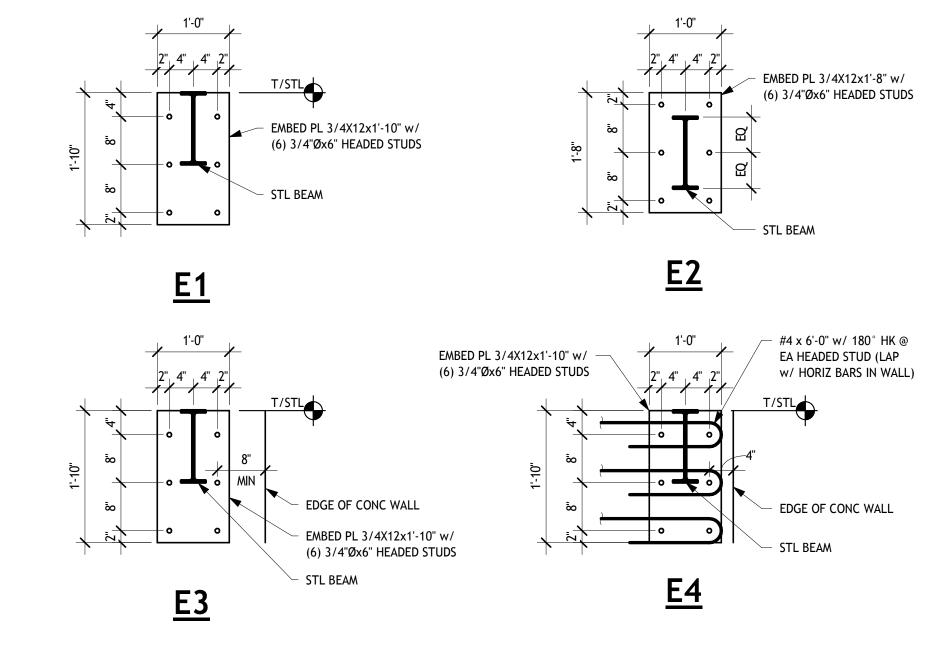
ISSUE DATE: 06/10/2022

1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800 www.smbhinc.com SMBH Job No: 019-042.001



GRAPHICAL CONCRETE COLUMN SCHEDULE





EMBED PLATE TYPES

REVISION SCHEDULE

DATE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME :

CML REYNOLDSBURG

1402 BRICE ROAD REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS ISSUED FOR BIDDING AND PERMITS

ISSUE DATE: 06/10/2022

<u>S</u>MBH

1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800 www.smbhinc.com

JOSEPH E.

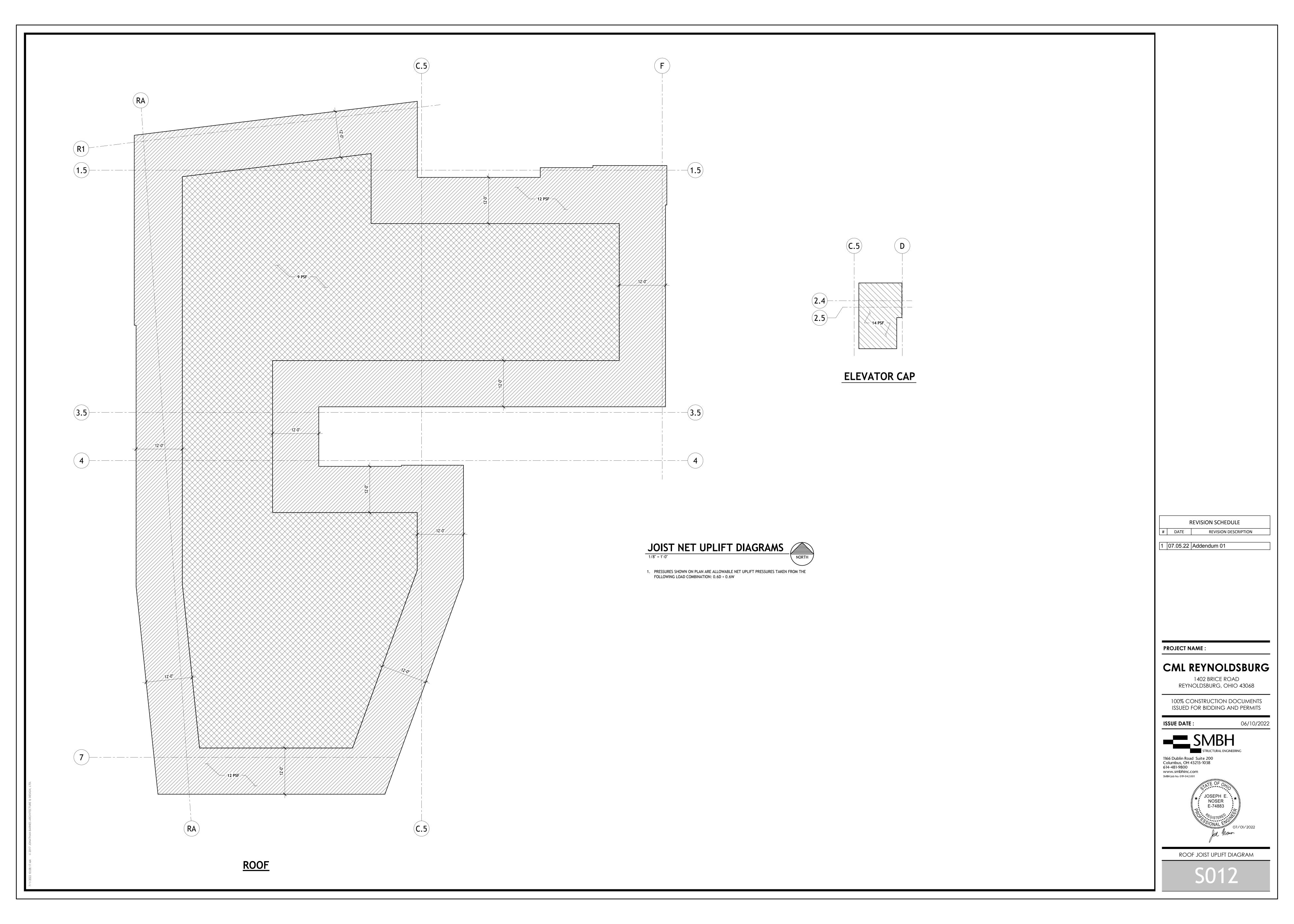
NOSER

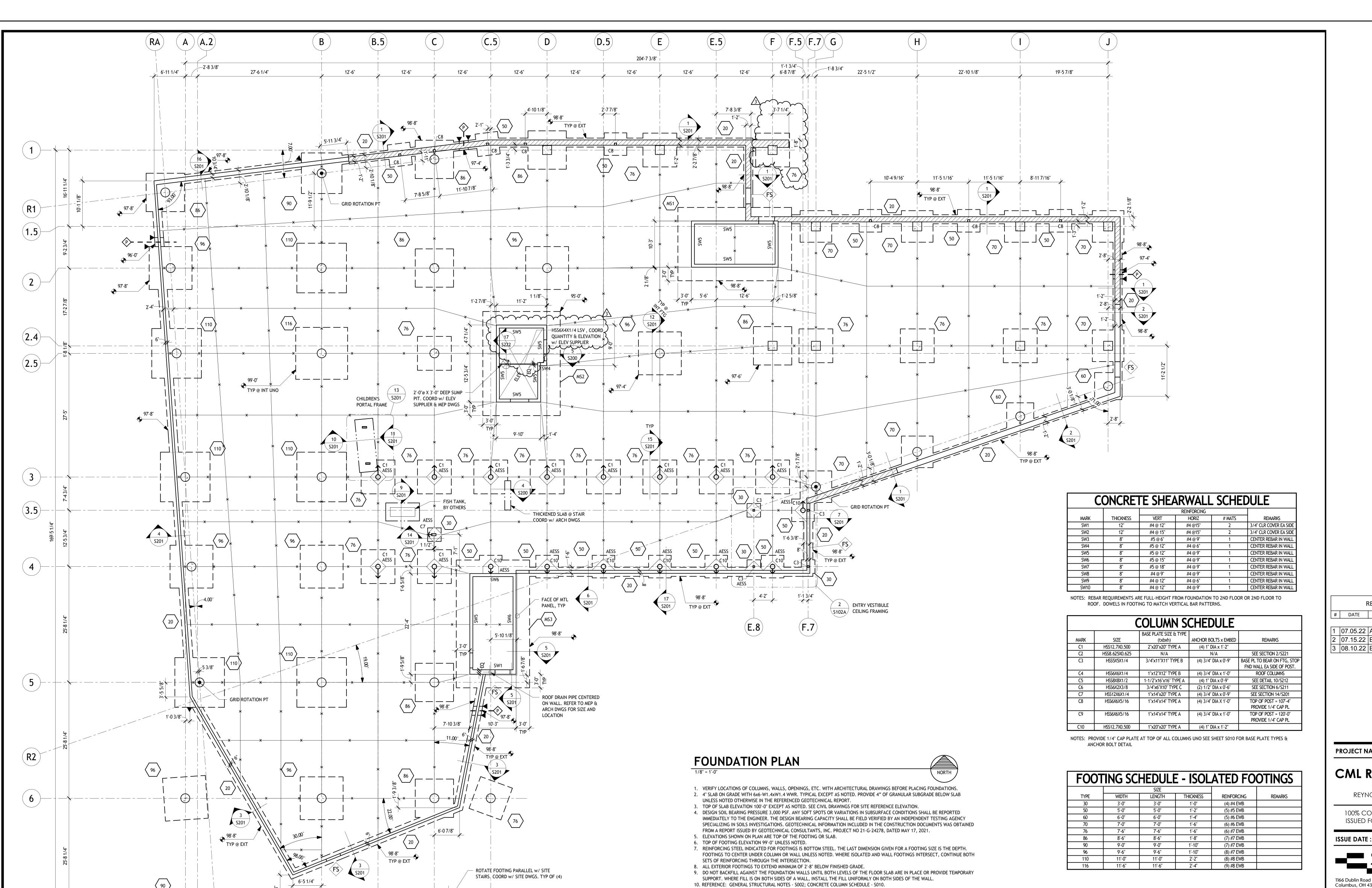
E-74883

O7/01/2022

John March 19-042.001

SCHEDULES





2'-8 3/8"

(A)(A.2)(RA)

27'-6 1/4"

12'-6"

67'-8 5/8"

12'-6"

3'-1 3/4" 9'-4 1/4"

(C)

-INDICATES TOP OF FOOTING OR MAT SLAB ON PLAN.

-INDICATES ORIENTATION OF HSS SEAM ON PLAN.

-INDICATES FOOTING MARK. SEE SCHEDULE ON THIS SHEET.

P - INDICATES PIPE ON PLAN. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION.

-INDICATES STEP IN FOOTING ON PLAN. SEE SECTION 3 / S200.

XXX -INDICATES FLOOR CONTROL OR CONSTRUCTION JOINT ON PLAN. SEE SECTIONS 1 & 2/S200.

C1 -INDICATES STEEL COLUMN MARK ON PLAN. SEE SCHEDULE ON THIS SHEET. SEE S010 FOR CONCRETE COLUMNS.

SW# -INDICATES SHEAR WALL MARK ON PLAN. SEE SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION.

FS -INDICATES FROST SLAB. SEE SECTIONS 6/S200 & 7/S200 FOR MORE INFORMATION.

AESS -INDICATES ARCHITECTURALLY EXPOSED STRUCTURAL STEEL CATEGORY 3 ON PLAN.

REVISION SCHEDULE

REVISION DESCRIPTION

1 |07.05.22 | Addendum 01 2 07.15.22 Bulletin 01 3 08.10.22 Bulletin 02

FOOTING SCHEDULE - WALL FOOTINGS										
		SIZE								
TYPE	WIDTH	LENGTH	THICKNESS	REINFORCING	REMARKS					
20	2'-0"	CONT	2'-0"	(2) #5 T&B						

FO	FOOTING SCHEDULE - MAT FOUNDATIONS											
		SIZE		REINFO								
TYPE	WIDTH	LENGTH	THICKNESS	TOP	BOTTOM	REMARKS						
MS1	16'-3"	25'-2 1/2"	2'-6"	#8 @ 12" c/c EA WAY w/ 90 DEG HKS	#8 @ 12" c/c EA WAY							
MS2	17'-2"	23'-1"	2'-6"	#8 @ 12" c/c EA WAY w/ 90 DEG HKS	#8 @ 12" c/c EA WAY							
MS3	16'-3"	28'-4"	2'-6"	#8 @ 12" c/c EA WAY w/ 90 DEG HKS	#8 @ 12" c/c EA WAY							

FO	OTING S	SCHEDU	ILE - W	ALL FOOT	ΓINGS
		SIZE			
TVDE	WIDTH	LENCTH	THICKNESS	DEINICODCINIC	DEMADI/C

FOOTING SCHEDULE - MAT FOUNDATIONS						
	SIZE			REINFORCING		
TYPE	WIDTH	LENGTH	THICKNESS	TOP	BOTTOM	REMARKS
MS1	16'-3"	25'-2 1/2"	2'-6"	#8 @ 12" c/c EA WAY w/ 90 DEG HKS	#8 @ 12" c/c EA WAY	
MS2	17'-2"	23'-1"	2'-6"	#8 @ 12" c/c EA WAY w/ 90 DEG HKS	#8 @ 12" c/c EA WAY	
MS3	16'-3"	28'-4"	2'-6"	#8 @ 12" c/c EA WAY	#8 @ 12" c/c EA WAY	

PROJECT NAME:

CML REYNOLDSBURG

1402 BRICE ROAD REYNOLDSBURG, OHIO 43068

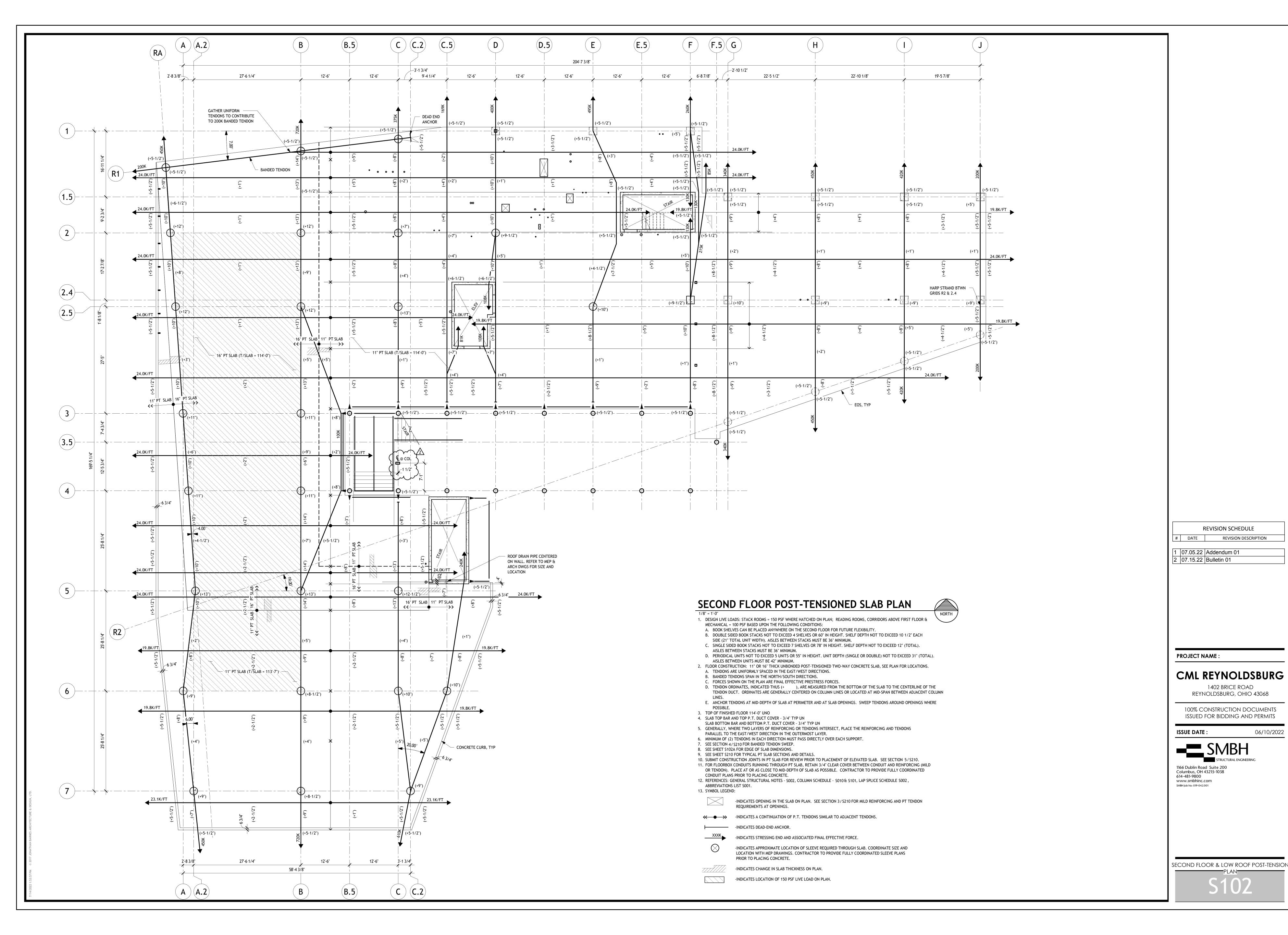
100% CONSTRUCTION DOCUMENTS

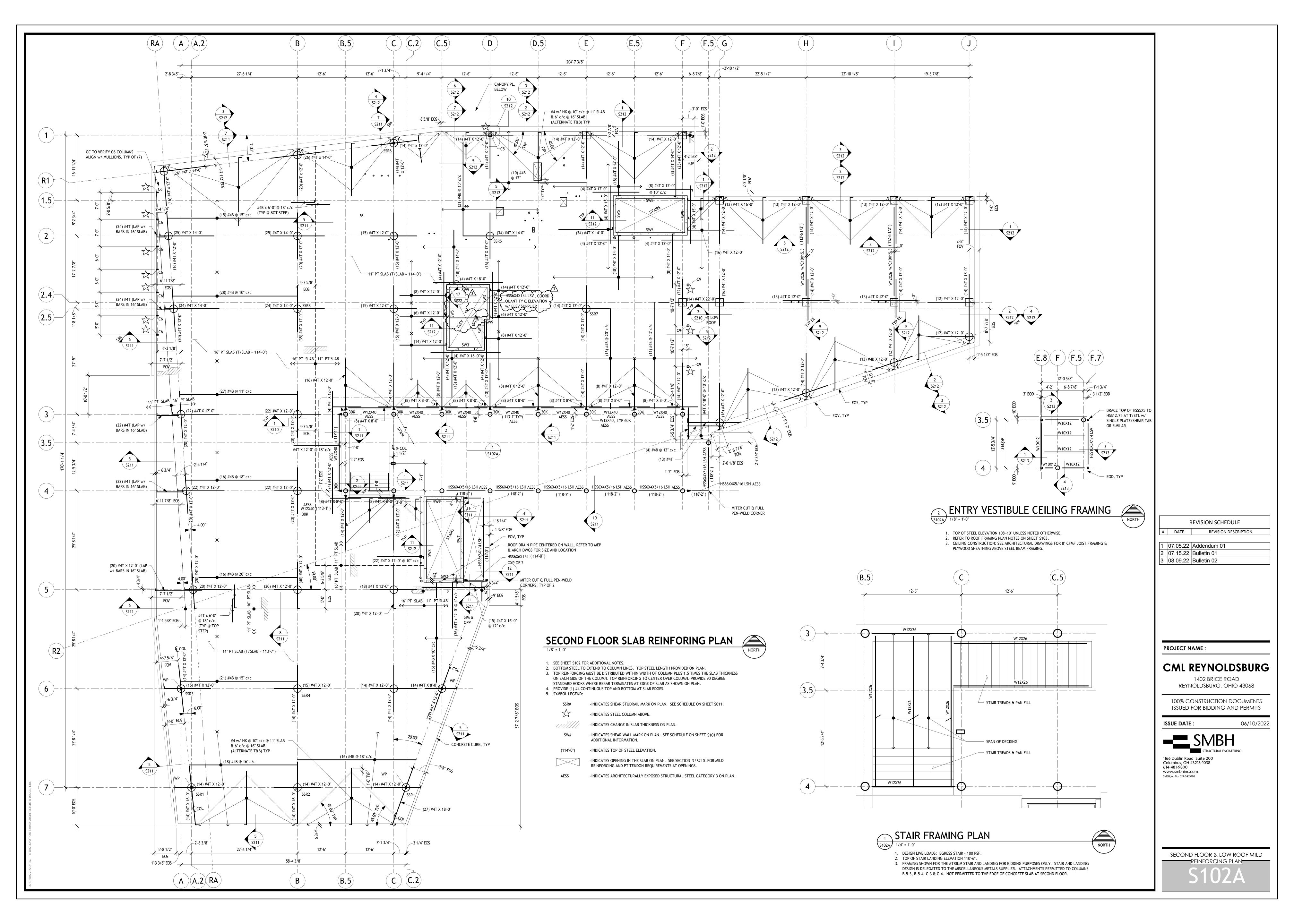
ISSUED FOR BIDDING AND PERMITS

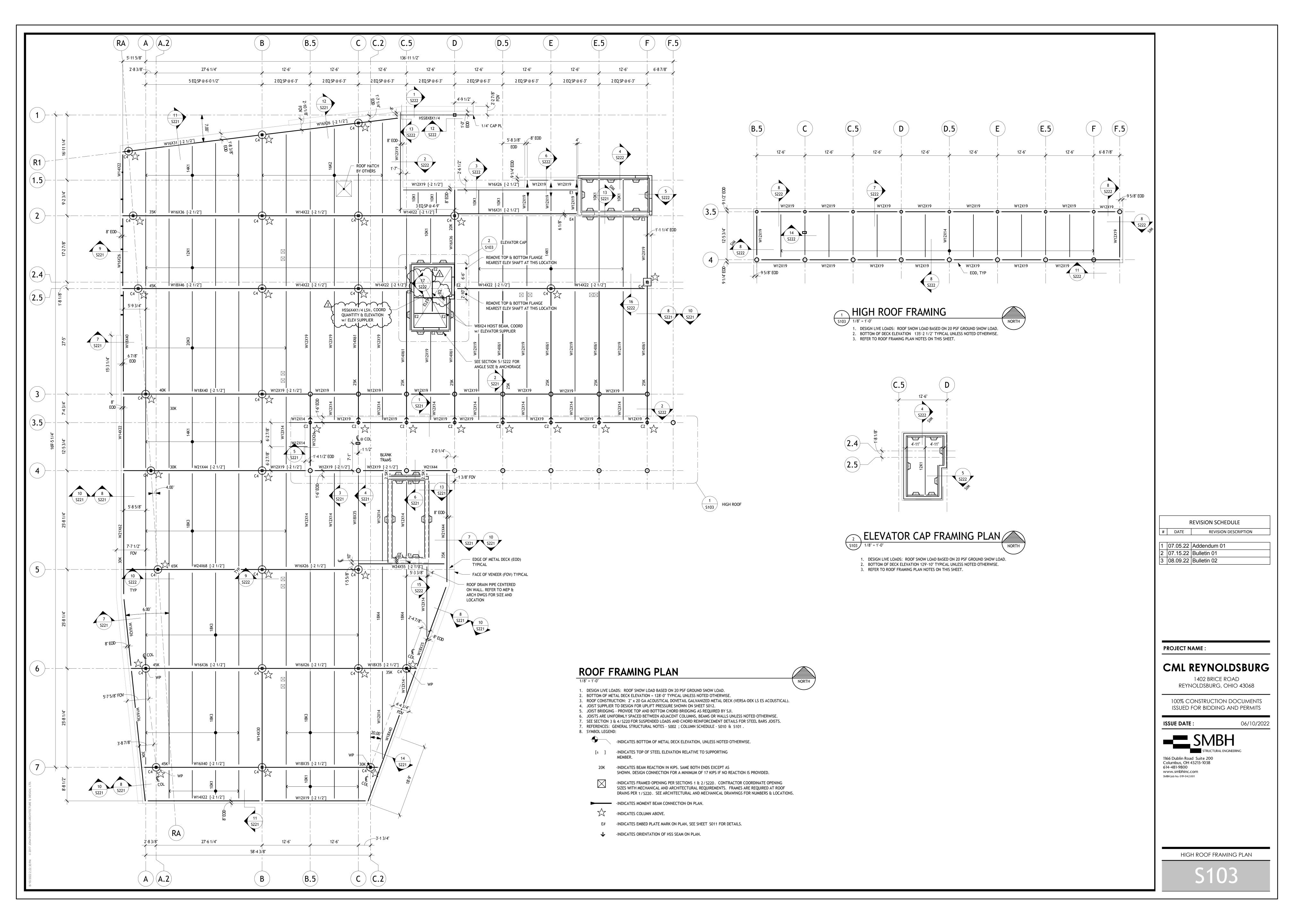
06/10/2022

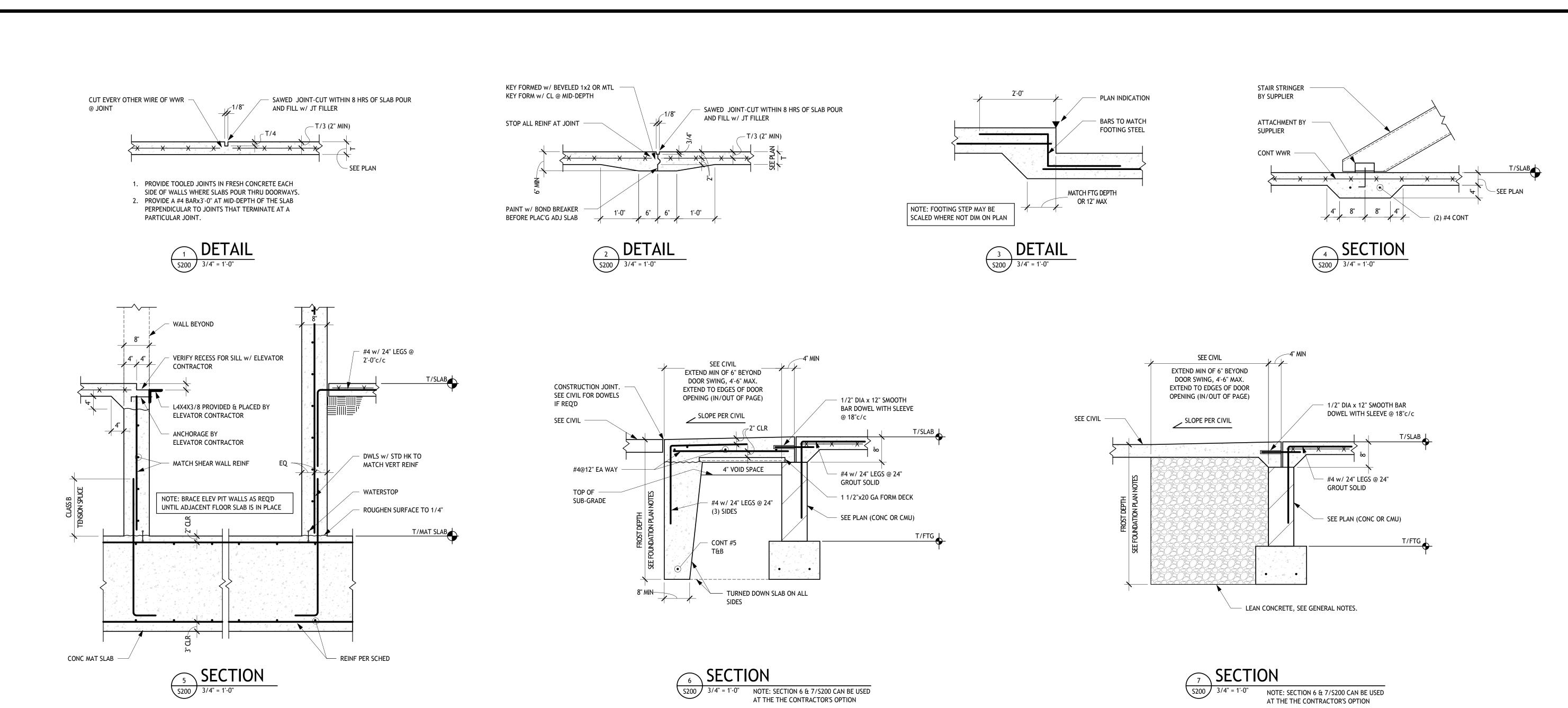
1166 Dublin Road Suite 200 Columbus, OH 43215-1038 www.smbhinc.com SMBH Job No: 019-042.001

FOUNDATION PLAN









DATE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME :

CML REYNOLDSBURG 1402 BRICE ROAD

REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS ISSUED FOR BIDDING AND PERMITS

ISSUE DATE :

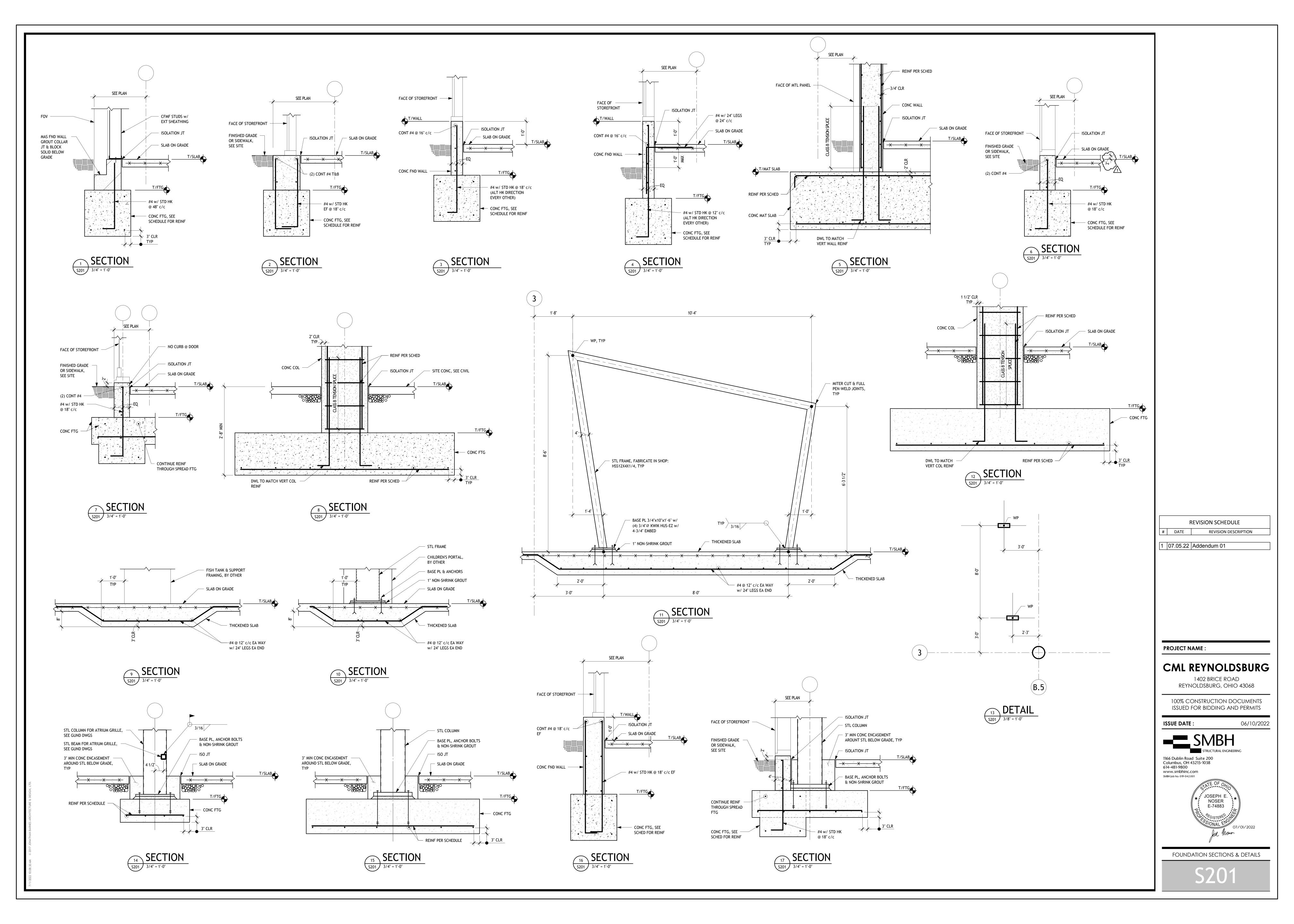
SMBH

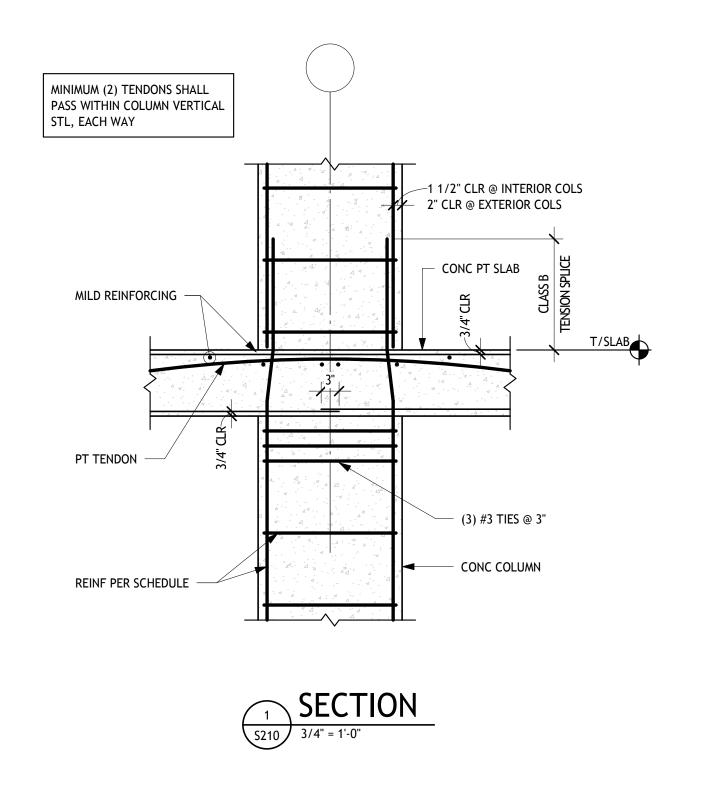
06/10/2022

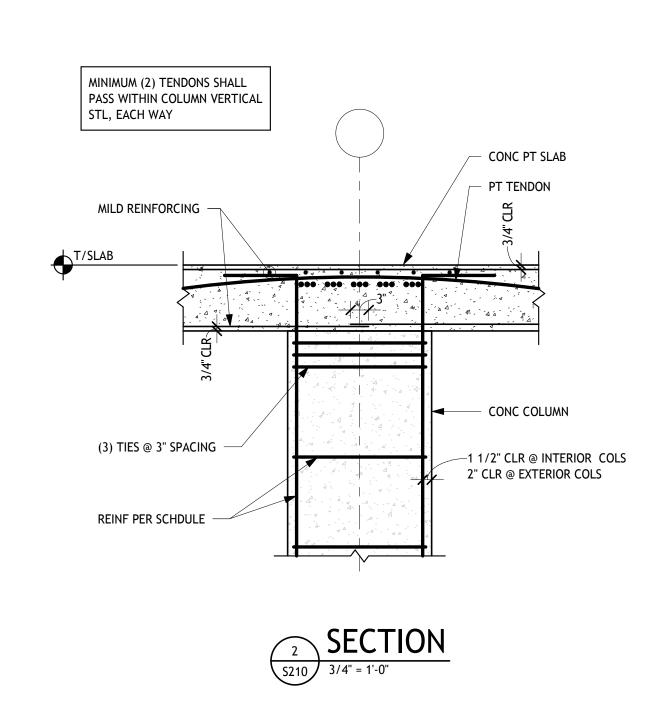
1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800

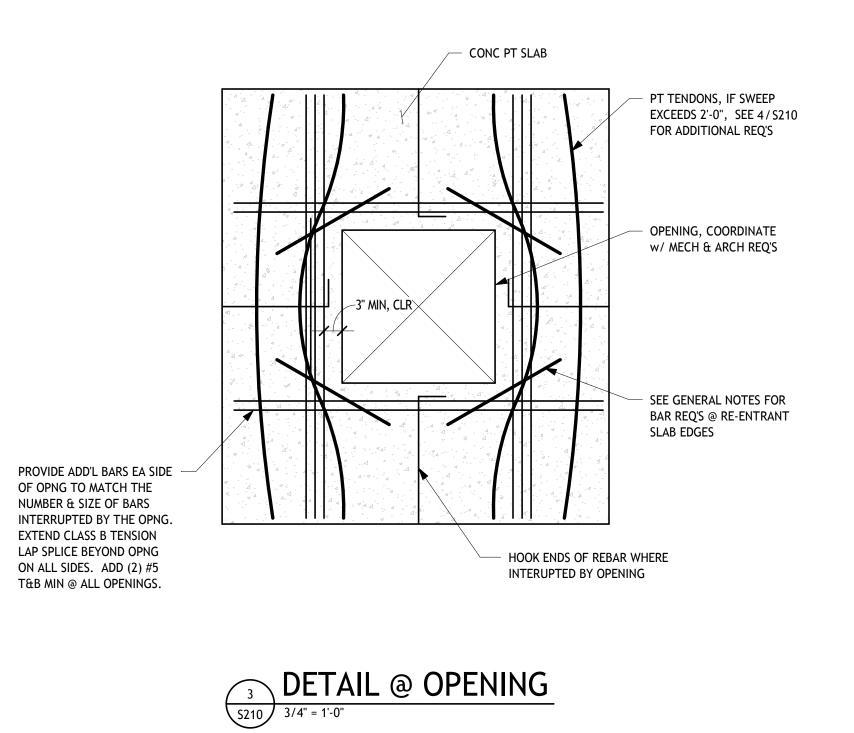


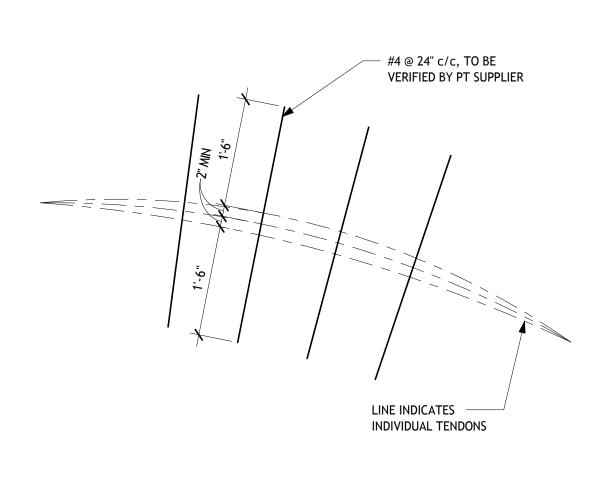
TYPICAL FOUNDATION SECTIONS



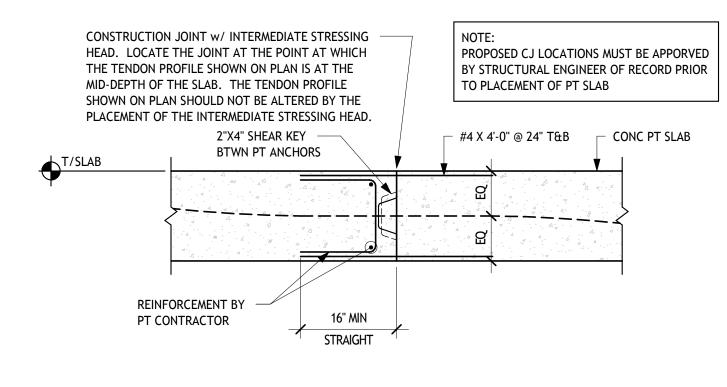








DETAIL @ BANDED TENDON SWEEP



TYP CONSTRUCTION JOINT DETAIL

5
5210
3/4" = 1'-0"

REVISION SCHEDULE

DATE REVISION DESCRIPTION

1 07.05.22 Addendum 01

PROJECT NAME:

CML REYNOLDSBURG

1402 BRICE ROAD REYNOLDSBURG, OHIO 43068

100% CONSTRUCTION DOCUMENTS ISSUED FOR BIDDING AND PERMITS

ISSUE DATE: 06/10/2022

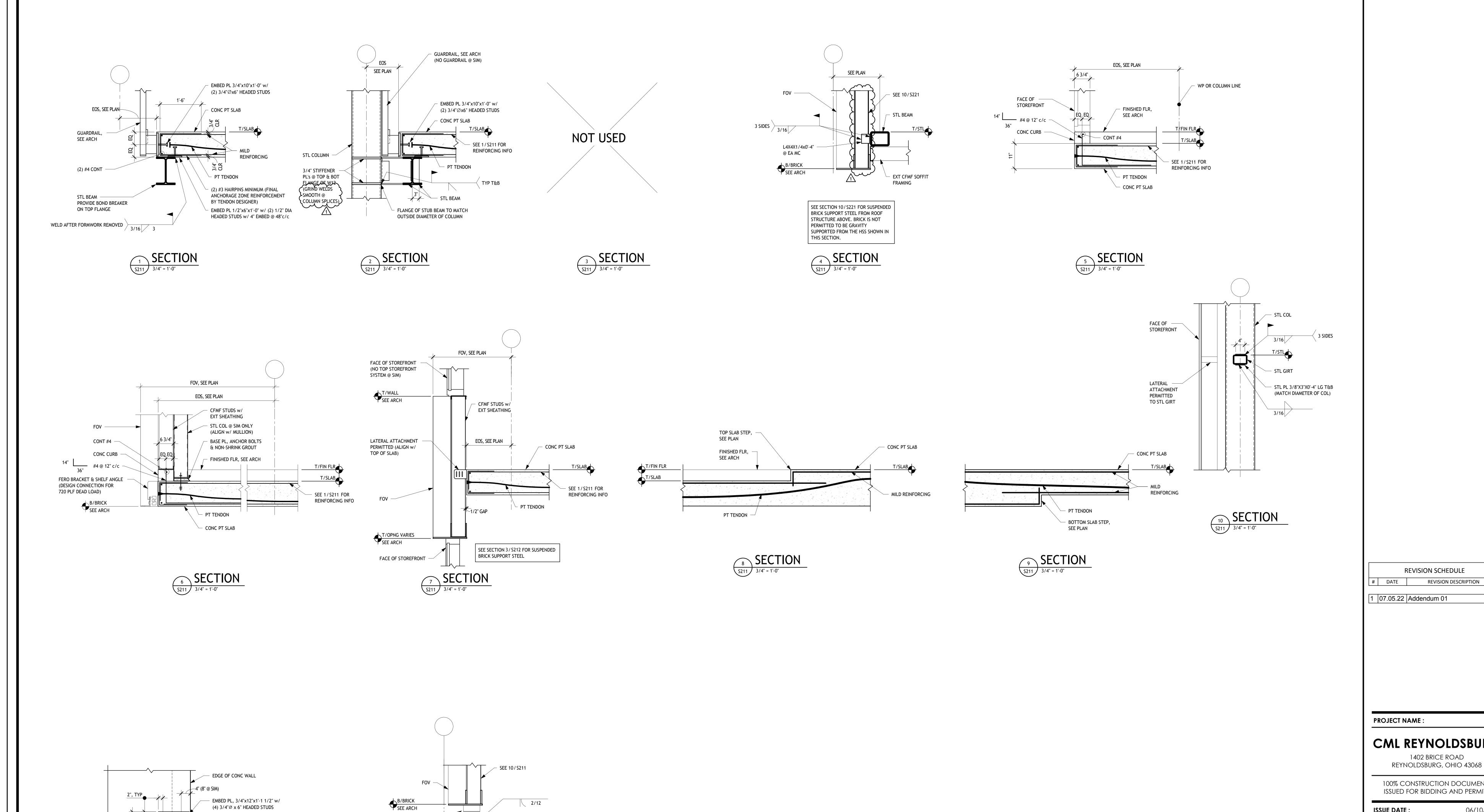
STRUCTURAL ENGINEE

1166 Dublin Road Suite 200
Columbus, OH 43215-1038

1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800 www.smbhinc.com SMBH Job No: 019-042.001



TYPICAL FLOOR FRAMING SECTIONS &



(4) 3/4"Ø x 6" HEADED STUDS

3/16 SECTION

SIM/OI
3/16

STL BEAM -

FACE OF ——STOREFRONT

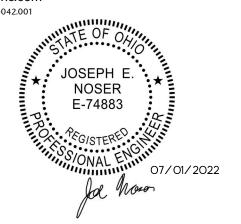
CONT L4X4X1/4

SECTION

S211 3/4" = 1'-0"

CML REYNOLDSBURG 1402 BRICE ROAD REYNOLDSBURG, OHIO 43068 100% CONSTRUCTION DOCUMENTS ISSUED FOR BIDDING AND PERMITS **ISSUE DATE:** 06/10/2022

1166 Dublin Road Suite 200 Columbus, OH 43215-1038 614-481-9800 www.smbhinc.com SMBH Job No: 019-042.001



SECOND FLOOR SECTIONS & DETAILS