BID & **CONSTRUCTION DOCUMENTS**

MAIN LIBRARY GENERAL SITE IMPROVEMENTS

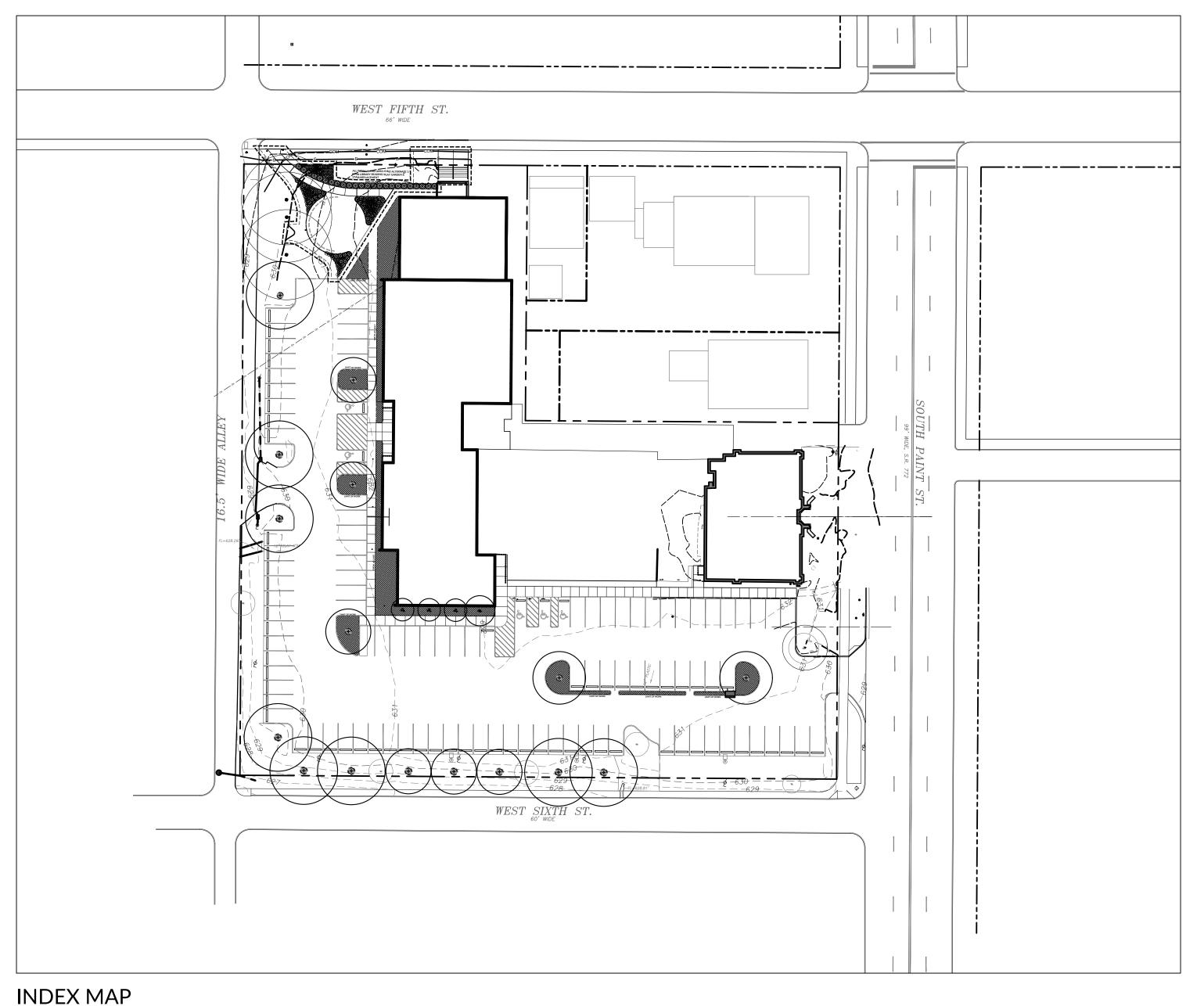
140 SOUTH PAINT STREET CHILLICOTHE, OH 45601



VICINITY MAP NOT TO SCALE

| SUBMITTALS | | | |
|-------------------|--|--|--|
| MAY 21, 2021 | SCHEMATIC DESIGN | | |
| SEPTEMBER 7, 2021 | DESIGN DEVELOPMENT | | |
| OCTOBER 18, 2021 | PERMIT DRAWINGS & CONSTRUCTION DOCUMENTS | | |
| NOVEMBER 23, 2021 | BID & CONSTRUCTION DOCUMENTS (RELEASE 1) | | |
| MAY 9, 2022 | BID & CONSTRUCTION DOCUMENTS (RELEASE 2) | | |
| | | | |

| SITE DATA TABLE | | | | | |
|---|-------------------------------------|-----------------------------|------------|--|--|
| TOTAL PRIVATE PROPERTY SITE AREA | 2.90 ACRES (PER SURVEY) | | | | |
| TOTAL PROJECT DISTURBED AREA | 19,176 SF (0.44 Acres) | | | | |
| | | | | | |
| MAIN LIBRARY ENTRANCE AND SITE PLANTING (BASE BID) | | | | | |
| | AREA WITHIN PROPERTY BOUNDARY | AREA WITHIN RIGHT-OF-WAY | TOTAL AREA | | |
| OVERALL SITE PROJECT | | | | | |
| REMOVED ON-SITE IMPERVIOUS AREA WITHIN PROJECT LIMITS | -303 SF | -222 SF | -525 SF | | |
| NEW POST DEVELOPMENT ON-SITE IMPERVIOUS | 604 SF | 275 SF | 879 SF | | |
| AREA WITHIN PROJECT LIMITS | | | | | |



| MAIN LIBRARY GENERAL SITE IMPROVEMENTS SHEET INDEX | | | |
|--|--|--|--|
| G001 | GENERAL NOTES | | |
| G002 | BID QUANTITIES | | |
| V001 | EXISTING SITE | | |
| L001 | EROSION AND SEDIMENT CONTROL PLAN | | |
| L002 | EROSION AND SEDIMENT CONTROL DETAILS | | |
| L101 | NORTHWEST AREA DEMOLITION PLAN | | |
| L201 | NORTHWEST AREA GRADING PLAN | | |
| L301 | OVERALL LAYOUT & MATERIALS PLAN | | |
| L302 | NORTHWEST AREA LAYOUT & MATERIALS PLAN | | |
| L303 | SOUTHWEST AREA LAYOUT & MATERIALS PLAN | | |
| L304 | SOUTHEAST AREA LAYOUT & MATERIALS PLAN | | |
| L401 | OVERALL PLANTING PLAN | | |
| L402 | NORTHWEST AREA PLANTING PLAN | | |
| L403 | SOUTHWEST AREA PLANTING PLAN | | |
| L404 | SOUTHEAST AREA PLANTING PLAN | | |
| L405 | READING/PLAY GARDEN ENLARGEMENT PLAN | | |
| L406 | PLANTING DETAILS | | |
| L501 | CONSTRUCTION DETAILS | | |
| L502 | CONSTRUCTION DETAILS | | |
| S100 | STRUCTURAL SECTIONS | | |

| REVIEW MEETINGS & VARIANCES APPROVED | | | | |
|---|-------------------------------------|--|----------|--|
| HEARING DATE | REVIEW BOARD | DESIGN ITEM | ACTION | |
| AUGUST 19, 2021 | CHILLICOTHE DESIGN REVIEW BOARD | 5TH STREET FRONTAGE INCLUDING READING GARDEN, STAIRS, WALK, AND PLANTING | APPROVED | |
| AUGUST 24, 2021 | CHILLICOTHE BOARD OF ZONING APPEALS | MAIN ENTRY SIGN | APPROVED | |
| | | | | |









LANDSCAPE ARCHITECT OF RECORD:

LANDSCAPE ARCHITECTURE

1223 EAST MAIN ST., SUITE 311 COLUMBUS, OH 43205 CONTACT: MATTHEW LEASURE, PLA PHONE: 614.893.7178 EMAIL: MATT@DESIGNINGLOCAL.COM **ELECTRICAL & STRUCTURAL ENGINEERING:**

MS CONSULTANTS 2221 SCHROCK ROAD COLUMBUS, OH 43229-1547

SURVEY:

CW DESIGN GROUP 972 LINKFIELD DRIVE WORTHINGTON, OH 43085

140 S. PAINT ST. CHILLICOTHE, OH 45601 CONTACT: JAMES HILL, DIRECTOR PHONE: 740.702.4162 EMAIL: JHILL@CRCPL.ORG

Chillicothe & Ross County
Public Library

PROJECT OWNER:

MATTHEW P. LEASURE, PLA OHIO REGISTRATION NO. 0701159

MAY 9, 2022

- AND SPECIFICATIONS. 1.2. ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES,
- ORDINANCES AND REGULATIONS. 2. ALL WORK IS SHOWN BASED ON BASE INFORMATION

PROVIDED BY CHILLICOTHE AND ROSS COUNTY PUBLIC

- LIBRARY AND ROSS COUNTY AND CW DESIGN GROUP. 3. UTILITIES INDICATED ON THE DRAWIGNS REFLECT APPROXIMATE LOCATIONS. LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES RESULTING FORM CONSTRUCTION ACTIVITIES. CONTACT OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764.
- 4. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
- 5. COORDINATE SITE ACCESS, STAGING, STORAGE AND CLEANOUT AREAS WITH OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- 6. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY TO ANY DAMAGE TO UTILITIES. DOCUMENT ALL EXISTING DAMAGES PRIOR TO BEGINNING WORK, ANY DAMAGES NOT DOCUMENTED SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH THEIR PERSPECTIVE WORK.
- 9. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND PRACTICES.
- 10. CONTRACTOR SHALL OBTAIN PERMITS FOR THE WORK AS REQUIRED AND COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE LOCAL JURISDICTION, THE STATE, AND ALL AUTHORITIES HAVING JURISDICTION.
- 11. ALL DIMENSIONS SHOWN REFERENCE EDGE OF PAVEMENTS, THE FACE OF CURBS AND THE FACE OF STRUCTURES UNLESS OTHERWISE NOTED.
- 12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN, AND MAINTAIN WORK AREA IN AN ORDERLY CONDITION, FOR DURATION OF PROJECT.
- 13. IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL AND HAUL AND DISPOSE OFF SITE OF UNWANTED MATERIALS RELATED TO THEIR OPERATIONS ON
- 14. TEMPORARY SAFETY FENCING AND BARRIERS AROUND ALL IMPROVEMENTS SUCH AS WALLS, EXCAVATIONS, PLAY STRUCTURES, ETC, IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUCH ITEMS AND RELATED FACILITIES ARE COMPLETELY INSTALLED PER THE PLANS AND SPECIFICATIONS.
- 15. CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND PROTECTIONS OF THEIR STOCKPILES, MATERIALS, AND WORK FROM VANDALISM OR OTHER UNINTENDED DISTURBANCES UNTIL FINAL ACCEPTANCE IS ISSUED.
- 16. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE RESTORED, FINE GRADED AND SEEDED AS NECESSARY TO MEET ORIGINAL CONDITIONS.
- 17. KEEP PREMISES CLEAN AND ORDERLY DURING CONSTRUCTION.

DEMOLITION NOTES

- VERIFY LOCATION AND DIMENSION OF ITEMS TO BE REMOVED PRIOR TO COMMENCEMENT OF WORK.
- 2. DO NOT ALTER OR MODIFY UNDERGROUND UTILITIES WITHOUT PERMISSION FROM THE OWNER.
- 3. REMOVED DEMOLISHED ITEMS FROM SITE, BURNING OR BURYING ON SITE IS PROHIBITED. COORDINATE WITH OWNER FOR DISPOSAL AND/OR STOCKPILING OF EXISTING
- 4. ITEMS SHALL REMAIN UNLESS OTHERWISE DESIGNATED FOR REMOVAL. REMOVE DESIGNATED ITEMS AS SHOWN ON PLAN TO FULL DEPTH OF THEIR CONSTRUCTION UNLESS OTHERWISE NOTED.
- 5. CONCRETE AND ASPHALT REMOVAL SHALL BE SAW CUT AS NOTED OR AS DETERMINED IN FIELD WITH LANDSCAPE ARCHITECT. EDGES TO REMAIN SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION TO MAINTAIN EDGE INTACT. ALL REPAIRS TO DAMAGED EDGES TO BE COMPLETED TO ORIGINAL OR BETTER CONDITION AT NO COST TO OWNER.
- REMOVE SALVAGED MATERIALS WITH CARE AND STORE ON SITE IN A MANNER TO PREVENT THEFT OR DAMAGE. CLEAN ALL DEBRIS AND CONSTRUCITON MATERIAL FROM SALVAGED ITEMS AND RE-USE AS DIRECTED BY PLAN AND/OR LANDSCAPE ARCHITECT.

LAYOUT NOTES

- 1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
- BASE INFORMATION ADAPTED FROM EXISTING LIBRARY HISTORICAL RECORDS, FIELD MEASUREMENTS BY LANDSCAPE ARCHITECT, AND SURVEY BY CWDG.
- 4. CONTRACTOR TO LAY OUT ANY HARDSCAPE ELEMENTS AND VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS OR OTHER DRAWINGS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY FOR PROPER CLARIFICATION OR ADJUSTMENT
- LAYOUT WALKS, SCORE JOINTS AND PAVING PATTERNS AS CLOSELY AS POSSIBLE TO PLANS, DETAILS, AND SPECIFICATIONS. DO NOT DEVIATE FROM PLANS UNLESS SPECIFIC APPROVAL IS OBTAINED FROM LANDSCAPE ARCHITECT.
- 6. PROVIDE FLUSH CONDITIONS (MEET AND MATCH) AT WALKWAY JUNCTIONS EXISTING AND PROPOSED.
- 7. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL. OR FACE OF CURB UNLESS NOTED OTHERWISE.
- 8. ALL RADII ON WALKWAY INTERSECTIONS SHALL BE 3' UNLESS NOTED OTHERWISE.
- 9. WALKWAYS AND HARDSCAPE ELEMENTS SHOWN AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS FLOWING CURVES OR WILL BE REJECTED.
- 10. WHERE DIMENSIONS ARE CALLED AS "EQUAL", SPACE REFERENCED ITEMS EQUALLY, MEASURED TO THEIR CENTER
- 11. INSTALL INTERSECTION ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
- 12. PROVIDE ISOLATION JOINTS WHERE CONCRETE PAVING OR PAVING BASE MEETS A FIXED EXISTING OR PROPOSED STRUCTURE.
- 13. CONTRACTOR IS RESPONSIBLE FOR SUPERVISING PAVEMENT DURING INSTALLATION AND THE CURING PROCESS. DAMAGE TO PAVING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACED AS DETERMINED BY THE LANDSCAPE ARCHITECT AT NO COST TO THE OWNER.

GRADING NOTES

- 1. ALL EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING CONDITIONS.
- 2. CONTRACTOR SHALL VERIFY AND UNDERSTAND ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
- 3. CONTRACTOR SHALL VERIFY THAT ALL SLOPES, MINIMUM AND MAXIMUM IDENTIFIED ON THE PLANS ARE ACHIEVABLE IN THE FIELD PRIOR TO START OF WORK.
- 4. ALL PAVED AND PLANTED SURFACES SHALL BE CONSTRUCTED TO POSITIVELY DRAIN AWAY FROM ALL VERTICAL ELEMENTS SUCH AS BUILDINGS, WALLS, COLUMNS, ETC., AND INTO THE SITE DRAINAGE SYSTEM
- 5. CONTRACTOR SHALL PROVIDE A MINIMUM OF $\frac{1}{8}$ " PER FOOT CROSS SLOPE IN THE DIRECTION OF SURFACE DRAINAGE ON **ALL WALKWAYS**
- 6. EXCAVATION INCLUDES ALL MATERIAL ENCOUNTERED TO WHATEVER DEPTH INDICATED ON THE PLANS. EXCAVATE TO ALLOW FOR PROPER FILL MATERIAL, SLABS, VOIDS, FORMS, AND FOUNDATIONS.

AMENITY AND SITE FURNITURE NOTES

- 1. ALL FIXING AND ANCHORING HARDWARE SHALL BE CORROSION RESISTANT STAINLESS STEEL UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR TO ENSURE ALL FASTENERS ARE INSTALLED TO MANUFACTURES SPECIFICATIONS OR TO INDUSTRY BEST PRACTICES. PROTRUDING BOLTS AND/OR THREADED RODS ARE TRIMMED FLUSH AND PEENED, CAPPING OR FILING SMOOTH ANY SHARP METAL EDGES OF RESULTANT TRIMMING.
- CONTRACTOR SHALL PROVIDE STRUCTURAL FOOTING DESIGN FOR ALL SITE AMENITY ELEMENTS IF STRUCTURAL FOOTING DESIGNS ARE NOT PROVIDED BY A LICENSED STRUCTURAL ENGINEER AS PART OF THESE PLANS.

PLANTING NOTES

- ALL PLANT MATERIALS TO COMPLY WITH THE LATEST EDITION OF A.N.A. STANDARDS FOR NURSERY STOCK AND BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. ANY PLANTINGS NEEDING REPLACEMENT WILL BE GUARANTEED FROM THE TIME OF REPLACEMENT IF AFTER FINAL ACCEPTANCE. SEE WARRANTY NOTES.
- 2. CONTRACTOR SHALL LAY OUT INDIVIDUAL TREE LOCATIONS. SHRUB LOCATIONS AND AREAS FOR MULTIPLE EXTERIOR PLANTINGS. STAKE LOCATIONS, OUTLINE PLANT BED AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT PRIOR TO PLANTING. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST THE PLANTS TO EXACT LOCATION IN FIELD
- 3. ALL PLANT MATERIAL IS SUBJECT TO REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- 4. ALL PLANTS ARE TO BE REMOVED FROM CONTAINERS, CAGES AND NON-BIODEGRADABLE MATERIALS. COMPLETELY REMOVE METAL CAGES AND COMPLETELY REMOVE AND DISCARD BURLAP AS NOTED ON PLANTING DETAILS. DISCARDED ITEMS SHALL NOT REMAIN IN PLANTING PITS OR BED AREAS.
- CONTRACTOR TO BACKFILL ALL TREE AND SHRUB PITS WITH APPROVED PLANTING SOIL MIX ONLY. DO NOT USE ANY REMAINING EXCAVATED MATERIAL OR OTHER FILL MATERIALS WHICH DOES NOT CONFORM TO SOIL SPECIFICATIONS.
- SUBSTITUTIONS OF SPECIFIED PLANT SPECIES WILL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE AND PLACE ALL APPROVED STOCKPILED TOPSOIL FOR ALL LANDSCAPED AREAS TO REQUIRED GRADES.
- 8. SEE PLANTING SHEETS FOR PLANTING DETAILS.
- ALL TREES PLANTED IN LAWN AREAS SHALL HAVE A 5' DIAMETER MULCH RING AS SHOWN ON PLANS AND DETAILS.
- 10. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, AND LAWNS AND EXISTING EXTERIOR PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.

PLANT MAINTENANCE NOTES

- UNTIL FINAL ACCEPTANCE, MAINTAIN ALL PLANTINGS AND TREES AS DESCRIBED WITHIN SPECIFICATIONS TO KEEP LANDSCAPE IN VIGOROUS. HEALTHY CONDITION AND RAKE BED AREAS TO MAINTAIN MULCH AND KEEP DEBRIS FROM PLANT BEDS.
- 2. WATER MAY NOT BE AVAILABLE ON SITE. PROVIDE NECESSARY HOSES AND OTHER WATERING EQUIPMENT REQUIRED TO COMPLETE WORK.
- 3. A WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE SHOULD BE SUBMITTED TO OWNERS REP SEVEN DAYS PRIOR TO COMPLETION OF PLANTING. AT THAT TIME OWNERS REP. WILL PREPARE A FINAL PUNCHLIST TO BE REVIEWED WITH LANDSCAPE CONTRACTOR. WHEN SUCH PROJECT IS DEEMED COMPLETE BY OWNERS REP, AN ON-SITE INSPECTION BY OWNERS REP. LANDSCAPE ARCHITECT, AND CONTRACTOR WILL BE COMPLETED PRIOR TO WRITTEN ACCEPTANCE.
- 4. FOLLOWING ACCEPTANCE, MAINTENANCE OF PLANT MATERIAL WILL BECOME THE OWNER'S RESPONSIBILITY. THE CONTRACTOR SHALL OUTLINE A RECOMMENDED MAINTENANCE PROGRAM AND PROVIDE TO OWNER.

PLANT WARRANTY NOTES

- 1. CONTRACTOR SHALL WARRANT PLANTS AND TREES FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION. REPLACE DEAD MATERIALS AND MATERIALS NOT IN VIGOROUS, THRIVING CONDITION AS SOON AS WEATHER PERMITS AND ON NOTIFICATION BY OWNERS REP. REPLACE PLANTS, INCLUDING TREES WHICH IN THE OPINION OF THE OWNERS REP HAVE PARTIALLY DIED THEREBY DAMAGING SHAPE, SIZE, OR SYMMETRY.
- REPLACE PLANTS AND TREES WITH SAME KIND AND SIZE AS ORIGINALLY PLANTED, AT NO COST TO OWNER, PROVIDE ONE-YEAR WARRANTY ON REPLACEMENT PLANTS. THESE SHOULD BE REPLACED AT START OF NEXT PLANTING OR DIGGING SEASON. IN SUCH CASES, REMOVE DEAD TREES IMMEDIATELY. PROTECT ALL UTILITIES OR OTHER WORK DURING REPLACEMENT.
- 3. WARRANTY EXCLUDES REPLACEMENT OF PLANTS AFTER FINAL ACCEPTANCE BECAUSE OF INJURY BY STORM, DROUGHT, DROWNING, HAIL, FREEZE, INSECTS, OR DISEASES
- AT THE END OF THE WARRANTY PERIOD, STAKING AND GUYING, AND WATERING MATERIALS SHALL BE REMOVED FROM THE SITE.

INDIANA BAT HABITAT PROTECTION NOTE

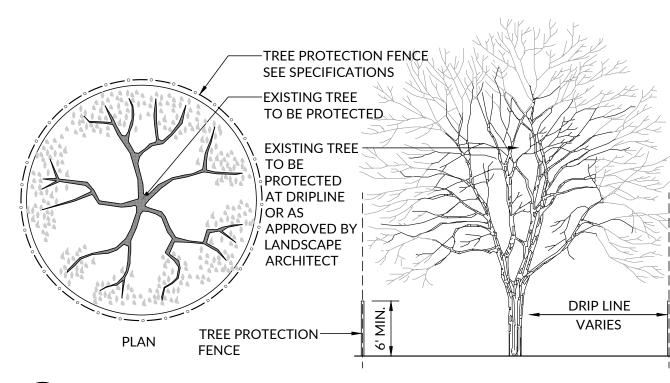
FOR ANY TREES DESIGNATED FOR REMOVAL THAT MAY BE POTENTIAL BAT HABITAT AREAS, REMOVAL SHALL ONLY OCCUR FROM OCTOBER 1ST TO MARCH 31ST. IF THE CONTRACTOR PREFERS TO REMOVE THE TREES OUTSIDE OF THIS TIME FRAME, A SURVEY MUST BE CONDUCTED ACCORDING TO THE UNITED STATES FISH AND WILDLIFE SERVICES AND BY A BIOLOGIST WITH ALL REQUIRED FEDERAL AND/OR STATE COLLECTION PERMITS TO DETERMINE THE PRESENCE OF ANY INDIANA BATS. THE DATA COLLECTED DURING THE SURVEY MUST BE PROVIDED TO THE CITY ACCORDING TO THE CONDITIONS OF THE PERMIT AND ANY REGULATORY AUTHORITY REQUIREMENTS. IF NO BATS ARE PRESENT THE TREE SHALL BE REMOVED WITHIN 24 HOURS OF THE SURVEY BEING CONDUCTED. IF BATS ARE FOUND TO BE PRESENT, THEN TREE SHALL REMAIN AND A PROTECTION AND ENHANCEMENT PLAN WILL BE REQUIRED.

TREE PRESERVATION NOTE

TO REMAIN.

- ALL EXISTING TREES TO REMAIN ADJACENT TO WORK AREAS SHALL BE PROTECTED PER INCLUDED DETAIL.
- CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, OR EQUIPMENT ARE NOT TO BE STOCKPILED, STORED, DUMPED OR PARKED WITHIN THE CRITICAL ROOT ZONE OF TREES TO
- VEHICLES AND CONSTRUCTION EQUIPMENT SHALL NOT PARK OR DRIVE WITHIN THE LIMITS OF THE CRITICAL ROOT
- ZONE OF TREES TO REMAIN. STORAGE AND STOCKPILING OF MATERIALS IS PROHIBITED AT ALL TIMES WHETHER TEMPORARY OR PERMANENT WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF TREES
- TRENCHING IS PROHIBITED WITHIN THE CRITICAL ROOT ZONE OF TREES TO REMAIN UNLESS OTHERWISE NOTED.

1. COORDINATE WITH LANDSCAPE ARCHITECT FOR ANY QUESTIONS REGARDING WHICH TREES OR AREAS REQUIRE TREE PROTECTION.



TREE PROTECTION NOT TO SCALE

| | ABBRE\ | /IATIONS | |
|--------|--|----------|--|
| AC | ACROSS CORNERS | ISO | INTERNATIONAL ORGANIZATION FOR STANDARDIZATION |
| AFF | ABOVE FINISHED FLOOR | LH | LEFT-HAND |
| AL | ALUMINUM | MAJ | MAJOR |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | MFD | MANUFACTURED |
| APPROX | APPROXIMATELY | MIN | MINIMUM |
| AR | AS REQUIRED | NOM | NOMINAL |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | NORM | NORMALIZED |
| AVG | AVERAGE | NTS | NOT TO SCALE |
| AWG | AMERICAN WIRE GAUGE | ОС | ON CENTER |
| CAD | COMPUTER AIDED DESIGN | OD | OUTSIDE DIAMETER |
| СН | CHAMFER | ORIG | ORIGINAL |
| CL | CENTERLINE | POI | POINT OF INTERSECTION |
| CSINK | COUNTERSINK | PSI | POUNDS PER SQUARE INCH |
| DIA | DIAMETER | PTFE | POLYTETRAFLUOROETHYLENE |
| DIP | DUCTILE IRON PIPE | PVC | POLYVINYL CHLORIDE |
| DIM | DIMENSION | QTY | QUANTITY |
| DWG | DRAWING | RAD | RADIUS |
| ED | EDGE DISTANCE | SPEC | SPECIFICATIONS |
| EQL | EQUAL, EQUALLY | SST | STAINLESS STEEL |
| EXIST | EXISTING | TYP | TYPICAL |
| FFE | FINISHED FLOOR ELEVATION | W/O | WITHOUT |
| GN | GENERAL NOTE | | |
| HDPE | HIGH-DENSITY POLYETHELENE | | |
| ID | INNER DIAMETER | | |
| ISO | INTERNATIONAL ORGANIZATION FOR STANDARDIZATION | | |



LANDSCAPE ARCHITECTUR 1223 EAST MAIN ST., SUITE 311 COLUMBUS, OH 43205 614.893.7178



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LIBRARY GENERAL E IMPROVEMENTS

AIN L SITE

OT CONTROL

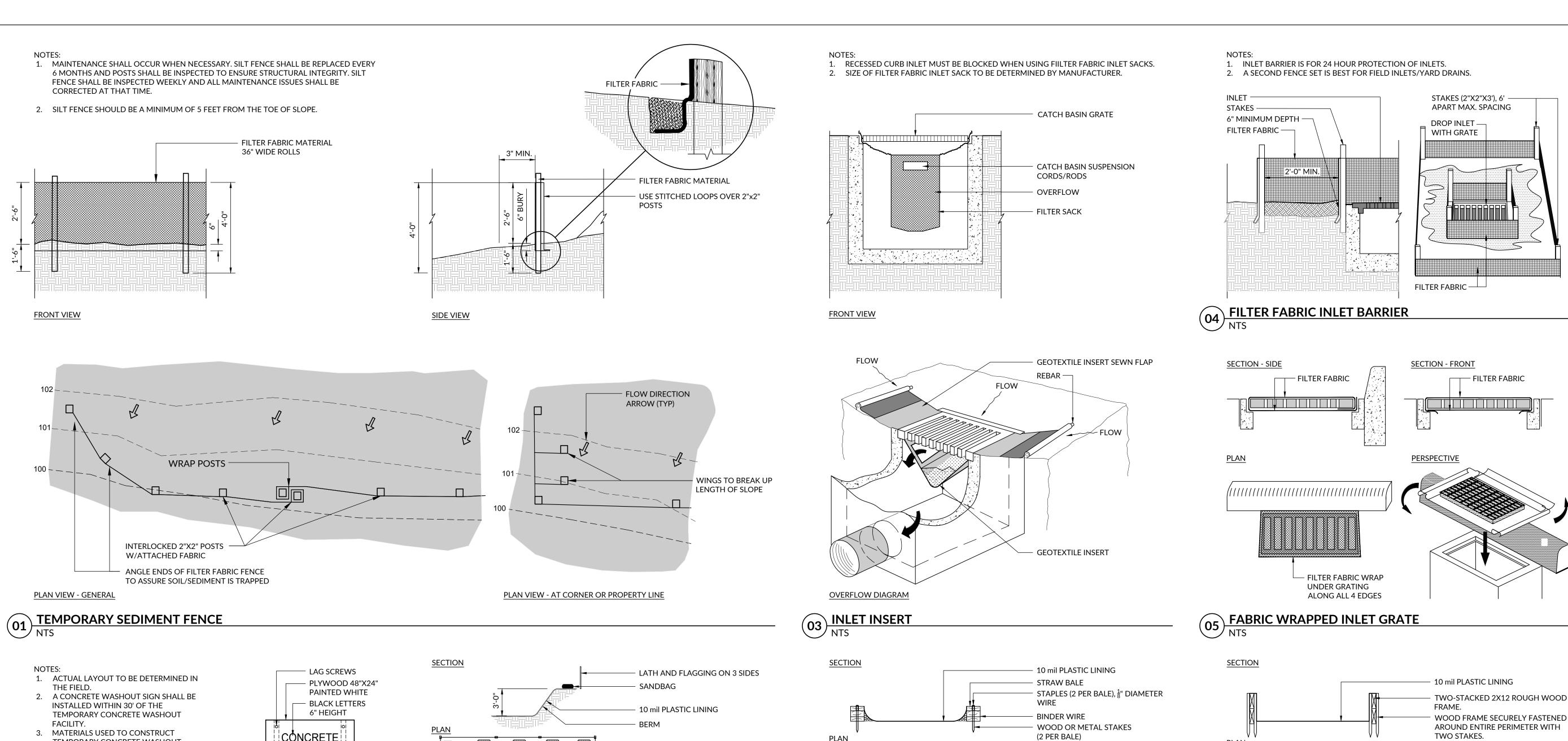
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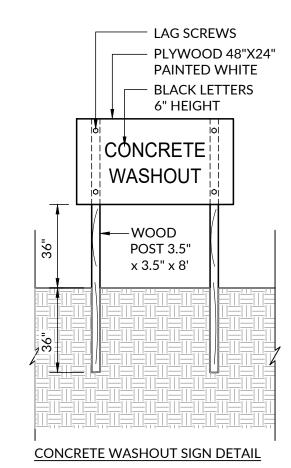
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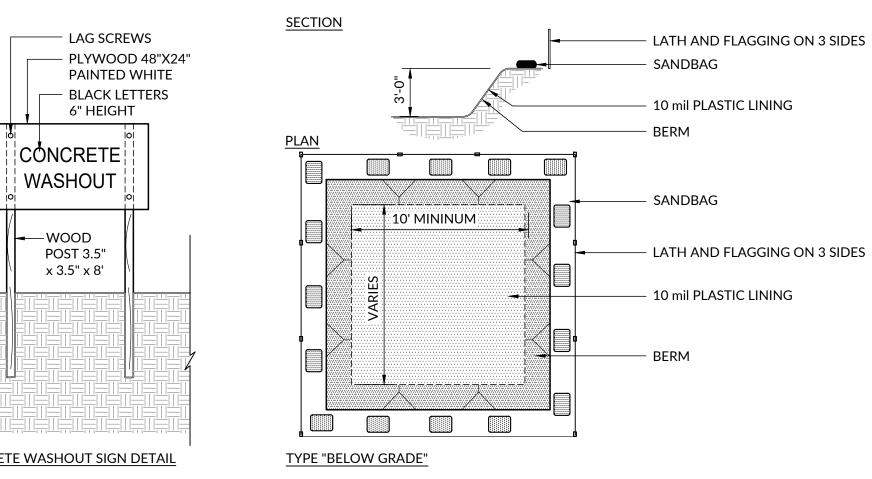


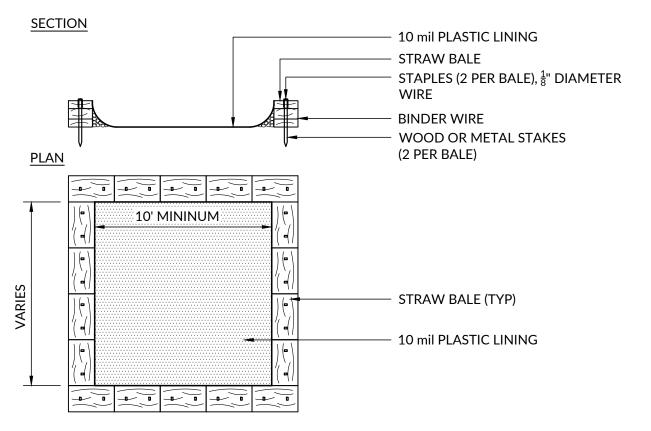
MAIN LIBRARY GENERAL SITE IMPROVEMENTS



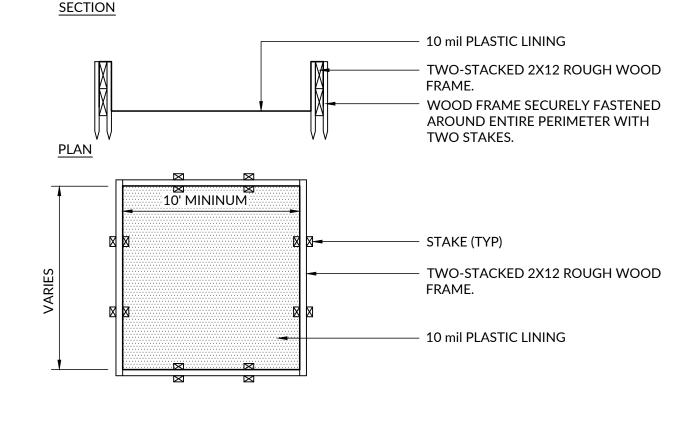
- TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR
- RECYCLED. 4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED
- TO PREVENT EROSION. 5. MUST BE LOCATED >50 FT AWAY FROM INLETS/WATERWAYS UNLESS THERE IS NO OTHER PRACTICAL ALTERNATIVE.







TYPE "ABOVE GRADE" WITH STRAW BALES



TYPE "ABOVE GROUND" WITH WOOD PLANKS







- 2. SEDIMENT BASINS AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED PRIOR TO GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING.
- PERFORMING CONSTRUCTION ACTIVITIES IN SURFACE WATERS MAY BE SUBJECT TO CWA REGULATION AND/OR STATE ISOLATED WETLAND PERMIT REQUIREMENTS. PRIOR TO WORK, PROJECT OWNERS SHALL CONTACT THE U.S. ARMY CORPS OF ENGINEERS HUNTINGTON, WV DISTRICT OFFICE AT (304) 399-5210 AND OHIO EPA 401/404 AND NON-JURISDICTIONAL STREAM/WETLAND COORDINATOR AT (614) 644-2001 TO ACQUIRE NECESSARY PERMITS FOR CONSTRUCTION ACTIVITIES IN SURFACE WATERS.
- 4. CONSTRUCTION PERSONNEL. INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
- PREVENT SPILLS
- USE PRODUCTS UP
- FOLLOW LABEL DIRECTIONS FOR DISPOSAL REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
- RECYCLE WASTES WHENEVER POSSIBLE
- DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
- DON'T POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
- DON'T BURY CHEMICALS OR CONTAINERS • DON'T BURN CHEMICALS OR CONTAINERS
- DON'T MIX CHEMICALS TOGETHER

NO TOXIC OR HAZARDOUS WASTES SHALL BE DISPOSED INTO STORM DRAINS, WATERWAYS, SEPTIC TANKS, OR BY BURYING, BURNING, OR MIXING THE WASTES.

- 5. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.
- 6. ALL CONSTRUCTION & DEMOLITION DEBRIS (C&DD) WASTE SHALL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE.
- MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO OHIO EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
- 8. A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN IS REQUIRED FOR SITES WITH ONE ABOVE GROUND STORAGE TANK OF 650 GALLONS OR MORE, TOTAL ACCUMULATIVE ABOVE GROUND STORAGE OF 1,320 GALLONS OR MORE, OR 4,200 GALLONS OF UNDERGROUND STORAGE. SITE OPERATORS SHALL IMPLEMENT CONTROLS SPECIFIED IN THE ONSITE SPCC PLAN TO PREVENT, CONTAIN, REMEDIATE AND ELIMINATE ANY IDENTIFIED SPILLS OR LEAKS.
- 9. PUMPING: REGARDLESS OF WHETHER DISCHARGES ARE RECEIVED BY A SEDIMENT SETTLING POND, WATER PUMPED FROM EXCAVATIONS OR OTHER AREAS WHERE WATER IS IN CONTACT WITH EXPOSED SOILS MUST BE DISCHARGED INTO A SEDIMENT BAG SPECIFICALLY DESIGNED FOR THE RATE OF PUMPED FLOW. THE BAG SHALL BE SECURELY ATTACHED TO THE PUMP DISCHARGE LINE TO PREVENT SEPARATION AND LEAKING DURING PUMPING OPERATIONS AND PLACED ABOVE-GROUND TO ALLOW FOR VISUAL MONITORING OF THE BAG WHILE IN USE. THE BAG SHALL BE LOCATED ON A STABLE, VEGETATED SURFACE, WHERE FEASIBLE, TO PREVENT SEDIMENT TRANSPORT DURING DISCHARGE. WHERE VEGETATED AREAS ARE NOT AVAILABLE DISCHARGE FROM THE BAG SHALL BE MONITORED TO ENSURE THAT NO TURBID DISCHARGES INTO THE STORM SEWER OR SURFACE WATERS OF THE STATE ARE OCCURRING. IF TURBID DISCHARGES ARE OBSERVED, ADDITIONAL PRACTICES MUST BE USED.
- 10. ALL CONTAMINATED SOILS MUST BE TREATED AND/OR DISPOSED IN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITIES OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL

ONE OR MORE OF THE FOLLOWING PRACTICES MUST BE USED TO MANAGE STORMWATER RUNOFF FROM CONTAMINATED SOILS (1) THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT

- CONTAMINATED RUNOFF AND PREVENT DISCHARGES (2) PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR APPROVAL OF THE CITY OF CHILLICOTHE) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY
- (3) COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORM WATER FROM COMING INTO CONTACT WITH THE MATERIAL
- 11. SPILL AND SPILL REPORTING: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE. OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO OHIO EPA AT (1-800-282-9378).
- 12. RELEASES OR SPILL OF 25 GALLONS OR MORE OF PETROLEUM MUST BE REPORTED TO THE FOLLOWING AGENCIES WITHIN 30 MINUTES OF DISCOVERY OF THE THE RELEASE OR SPILL:
- (1) OHIO EPA (AT 1-800-282-9378)
- (2) CHILLICOTHE FIRE DEPARTMENT 740.773.2212 (3) NATIONAL RESPONSE CENTER 800.424.8802

AGRICULTURAL WASTES, EXCLUDING BUILDINGS.

- (4) CHILLICOTHE WATER AND SEWER EMERGENCY OPERATIONS 740.773.2191 - AFTERHOURS AND HOLIDAYS - 740.773.3388
- 13. OPEN BURNING SHALL BE PERFORMED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 3745-19. NO MATERIALS CONTAINING RUBBER, GREASE, ASPHALT, OR PETROLEUM PRODUCTS, SUCH AS TIRES, AUTOPARTS, PLASTICS OR PLASTIC COATED WIRE MAY BE BURNED (OAC 3745-19). OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS, WHICH ARE DEFINED AS: 1) WITHIN CORPORATION LIMITS; 2) WITHIN 1,000 FEET OUTSIDE OF A MUNICIPAL CORPORATION HAVING A POPULATION OF 1,000 TO 10,000; AND 3) A ONE MILE ZONE OUTSIDE OF A CORPORATION OF 10,000 OR MORE. OUTSIDE OF RESTRICTED AREAS, NO OPEN BURNING IS ALLOWED WITHIN 1.000 FEET OF AN INHABITED BUILDING ON ANOTHER PROPERTY. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR: HEATING TAR, WELDING, SMUDGE POTS AND SIMILAR OCCUPATIONAL NEEDS, AND HEATING FOR WARMTH OR OUTDOOR BARBEQUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE OR LAND-CLEARING WASTES (PLANT MATERIAL, WITH PRIOR WRITTEN PERMISSION FROM OHIO EPA), AND

- 14. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES. CATCH BASINS. AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- AIR POLLUTION PERMITS MAY BE REQUIRED FOR ACTIVITIES INCLUDING, BUT NOT LIMITED TO, MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS AND LARGE GENERATORS CONTACT THE OHIO EPA'S OFFICE OF COMPLIANCE ASSISTANCE AND POLLUTION PREVENTION AT 1-800-329-7518 FOR MORE INFORMATION.
- 16. DISCHARGE OF WASH WATER, LEACHATE FROM ONSITE WASTE DISPOSAL SYSTEMS AND CONCRETE WASHOUT ACTIVITIES TO THE CITY'S MUNICIPAL STORMWATER SEWER SYSTEM OR WATERS OF THE STATE IS PROHIBITED. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- 17. INSPECTIONS FOR ALL CONTROLS SHALL BE PERFORMED ONCE EVERY SEVEN CALENDAR DAYS, AND AFTER ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24-HOUR PERIOD BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED.
- THE INSPECTION FREQUENCY MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH FOR DORMANT SITES IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME (E.G., SITE IS COVERED WITH SNOW, ICE, OR THE GROUND IS FROZEN).
- 18. INSPECTIONS OF CONTROLS SHALL BE PERFORMED BY "OUALIFIED INSPECTION PERSONNEL" AS DEFINED IN THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT.

FOLLOWING EACH INSPECTION. A CHECKLIST SHALL BE COMPLETED AND SIGNED BY THE OUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

- INSPECTION DATE
- NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION
- WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED
- WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION • LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER
- POLLUTANTS FROM THE SITE
- LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED • LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED
- OR PROVED INADEQUATE FOR A PARTICULAR LOCATION • LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID
- NOT EXIST AT THE TIME OF INSPECTION CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES
- SITE INSPECTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE
- **EVALUATION OF THE FOLLOWING:** • EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM FROM DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO
- PRECIPITATION PERFORMANCE OF EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWPPP
- ASSESSMENT OF DISCHARGE LOCATIONS TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS
- EVIDENCE OF OFF-SITE VEHICLE TRACKING AT LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS FOLLOWING THE SUBMITTAL OF A NOTICE OF TERMINATION FORM TO OHIO EPA. ANY PERSON SIGNING DOCUMENTS UNDER THIS SECTION SHALL MAKE THE FOLLOWING CERTIFICATION:

- "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."
- 22. BMPS THAT ARE NOTED AS DEFICIENT DURING INSPECTIONS SHALL BE ADDRESSED WITHIN THE FOLLOWING TIMEFRAMES FROM THE DATE OF INSPECTION:
- REPAIR OR MAINTENANCE OF BMPS (EXCEPT SEDIMENT PONDS):3
- REPAIR OR CLEANING OF SEDIMENT PONDS: 10 DAYS
- REPLACEMENT OF NON-FUNCTIONAL BMPS: 10 DAYS • INSTALLATION OF MISSING BMPS REQUIRED BY THE SWPPP: 10
- 19. THE LOCATION WHERE THE FOLLOWING ACTIVITIES ARE TO BE PERFORMED SHALL BE LOCATED AWAY FROM WATERCOURSES. DRAINAGE DITCHES, FIELD DRAINS, STORM SEWERS OR OTHER DRAINAGE AREAS. THE SWPPP SHALL BE UPDATED THROUGHOUT CONSTRUCTION TO ACCURATELY SHOW THE LOCATION OF THE
- FOLLOWING ACTIVITIES AND THEIR PROXIMITY TO SURFACE WATER AND DRAINAGE FACILITIES:
- STORAGE OR DISPOSAL OF SOLID, SANITARY, AND TOXIC WASTES (INCLUDING DUMPSTER AREAS)
- RECYCLING OF USED OR UNUSED HAZARDOUS MATERIALS, CEMENT TRUCK WASHOUT
- CONSTRUCTED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY

A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE

HAZARDOUS MATERIALS • EQUIPMENT FUELING AND MAINTENANCE

- 20. THE ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT STORAGE ZONE ONCE IT EXCEEDS 50 PERCENT OF THE MINIMUM REQUIRED SEDIMENT STORAGE DESIGN CAPACITY AND PRIOR TO THE CONVERSION TO THE POST-CONSTRUCTION PRACTICE UNI ESS SUITABLE STORAGE IS PROVIDED TO MEET THE VOLUME REQUIREMENTS INDICATED ON THE APPROVED PLANS
- 21. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE. BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE, SOIL) MAY BE UTILIZED, UPON APPROVAL BY THE LANDSCAPE ARCHITECT, IN A WAY WHICH DOES NOT ENCROACH UPON NATURAL WETLANDS, STREAMS OR FLOODPLAINS OR
- 22. SAW-CUTTING: THE DISCHARGE OF LIQUID, SOLID OR SLURRY DETRITUS FROM SAW-CUTTING OPERATIONS INTO A STORM SEWER SYSTEM IS A VIOLATION. LIQUID, SOLID OR SLURRY DETRITUS FROM SAW-CUTTING OPERATIONS SHALL BE CONTAINED AND REMOVED FROM THE GROUND SURFACE TO PREVENT ENTRY INTO A STORM SEWER OR SURFACE WATERS OF WITH INLET PROTECTION DESIGNED TO FILTER SEDIMENT FROM STORMWATER RUNOFF IS NOT AN ACCEPTABLE METHOD OF CONTAINMENT AND IS A VIOLATION.
- 23. TRACKING: SEDIMENT DEPOSITED ON STREETS OR ROADWAYS FROM VEHICLE OR EQUIPMENT TRACKING SHALL BE REMOVED DAILY FROM THE ROADWAY SURFACE, INCLUDING ALL CURB LINES AND GUTTERS, TO PREVENT DISCHARGE INTO THE STORM SEWER OR SURFACE WATERS OF THE STATE. IF DETERMINED BY BE A SOURCE OF WATER QUALITY DEGRADATION OR CAUSE RESTRICTION OR DAMAGE TO THE STORM SEWER OR SURFACE WATERS OF THE STATE, THE SWP3 SHALL BE REVISED TO MANDATE REMOVAL OF TRACKED SEDIMENTS AT A GREATER FREOUENCY AND WITH VACUUM-ASSISTED STREET SWEEPING
- 24. AS CONSTRUCTION PROGRESSES AND THE TOPOGRAPHY IS ALTERED, APPROPRIATE CONTROLS SHALL BE CONSTRUCTED, OR EXISTING CONTROLS ALTERED TO ADDRESS THE CHANGING
- 25. THE DISPOSAL OF SOLID AND LIQUID WASTES SHALL BE IN ACCORDANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE
- FUELING AND MAINTENANCE ACTIVITIES, INCLUDING OIL CHANGES, SHALL BE PERFORMED IN AN AREA DESIGNATED FOR SUCH PURPOSES AWAY FROM SURFACE WATERS OF THE STATE AND STORM SEWERS. THE DESIGNATED AREA SHALL BE EQUIPPED FOR CONTAINING OIL AND CATCHING SPILLS. SPILL KITS SHALL BE PROVIDED NEAR ALL DESIGNATED VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE AREAS AND SHOP FABRICATED DOUBLE-WALLED TANKS MEETING UL STANDARDS SHALL BE PROVIDED FOR ALL NON-PORTABLE FUEL AND OIL STORAGE CONTAINERS LOCATED ONSITE. PORTABLE FUEL AND OIL STORAGE CONTAINERS SHALL BE STORED IN A CONTAINMENT SYSTEM WITH SUFFICIENT CAPACITY TO CONTAIN 10% OF THE VOLUME OF ALL CONTAINERS STORED OR THE VOLUME OF THE LARGEST CONTAINER, WHICHEVER IS GREATER.
- WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE FACILITY. STORM SEWER SYSTEMS THAT RECEIVE DRAINAGE DURING CONSTRUCTION FROM UNPROTECTED INLETS DISCHARGING TO DOWNSTREAM SEDIMENT SETTLING PONDS SHALL BE CLEANED AFTER PERMANENT STABILIZATION IS ACHIEVED AND PRIOR TO PROJECT ACCEPTANCE AND CLOSEOUT BY THE OWNER OR CITY.
- **EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE** REMOVED OR PERMANENTLY STABILIZED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.

FOR THE POST-CONSTRUCTION PRACTICE.

RESULT IN THE CONTAMINATION OF WATERS OF THE STATE.

THE STATE. DIRECTING LIQUID, SOLID OR SLURRY DETRITUS FROM SAW-CUTTING OPERATIONS TO A STORM SEWER INLET EQUIPPED

THE CITY THAT TRACKED SEDIMENTS FROM A SITE CONTINUES TO EQUIPMENT OR CONTROLS OF EQUAL EFFECTIVENESS.

DRAINAGE PATTERNS.

DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS. 26. VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE: VEHICLE

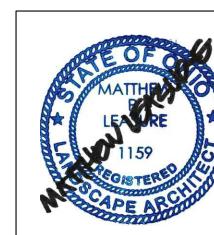
27. INLET PROTECTION: ALL STORM SEWER INLETS WHICH ACCEPT PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SYSTEM DRAINS TO S A SETTLING

28. DISPOSITION OF TEMPORARY PRACTICES: ALL TEMPORARY



1223 EAST MAIN ST., SUITE 311

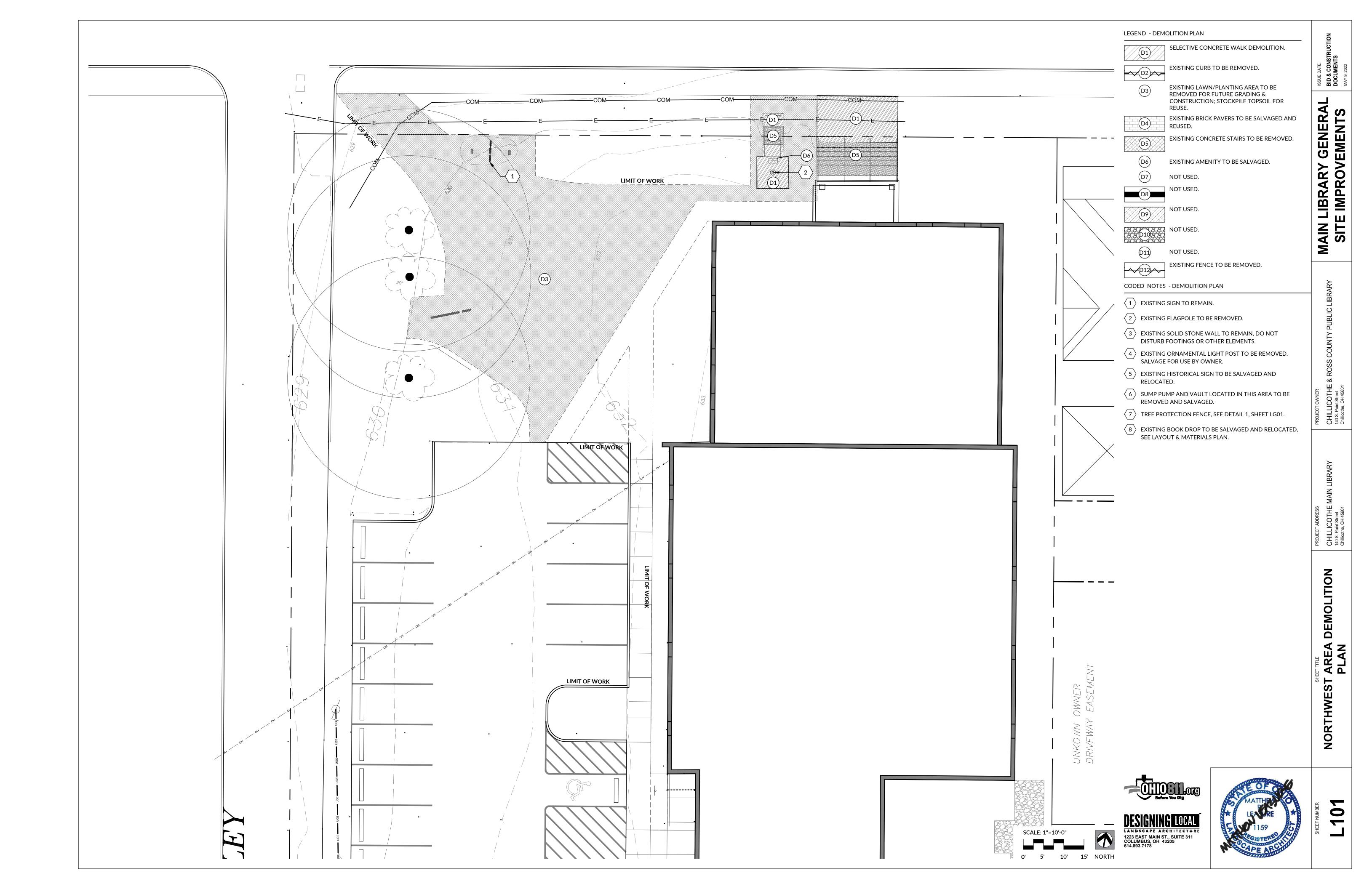
COLUMBUS, OH 43205

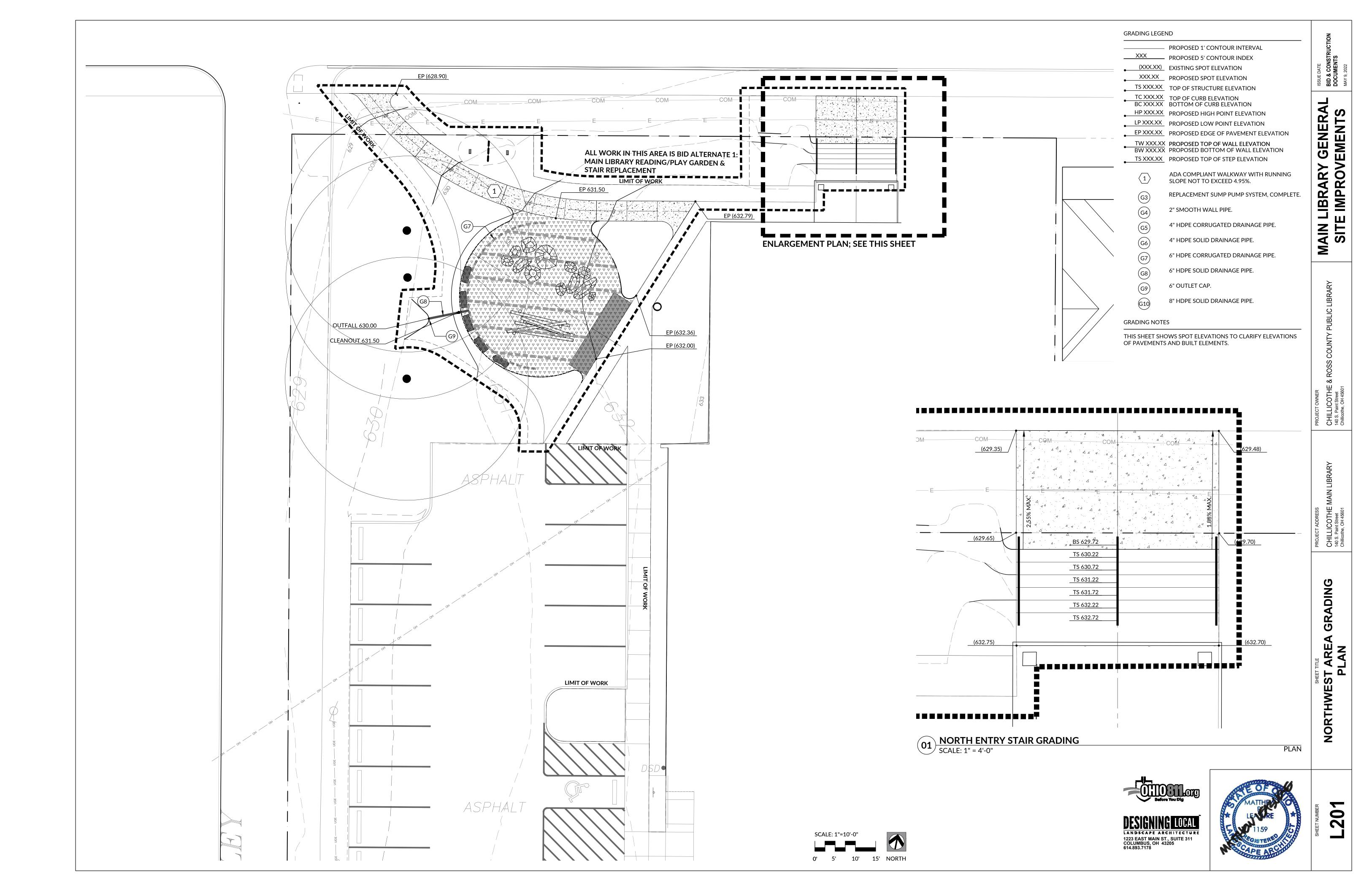


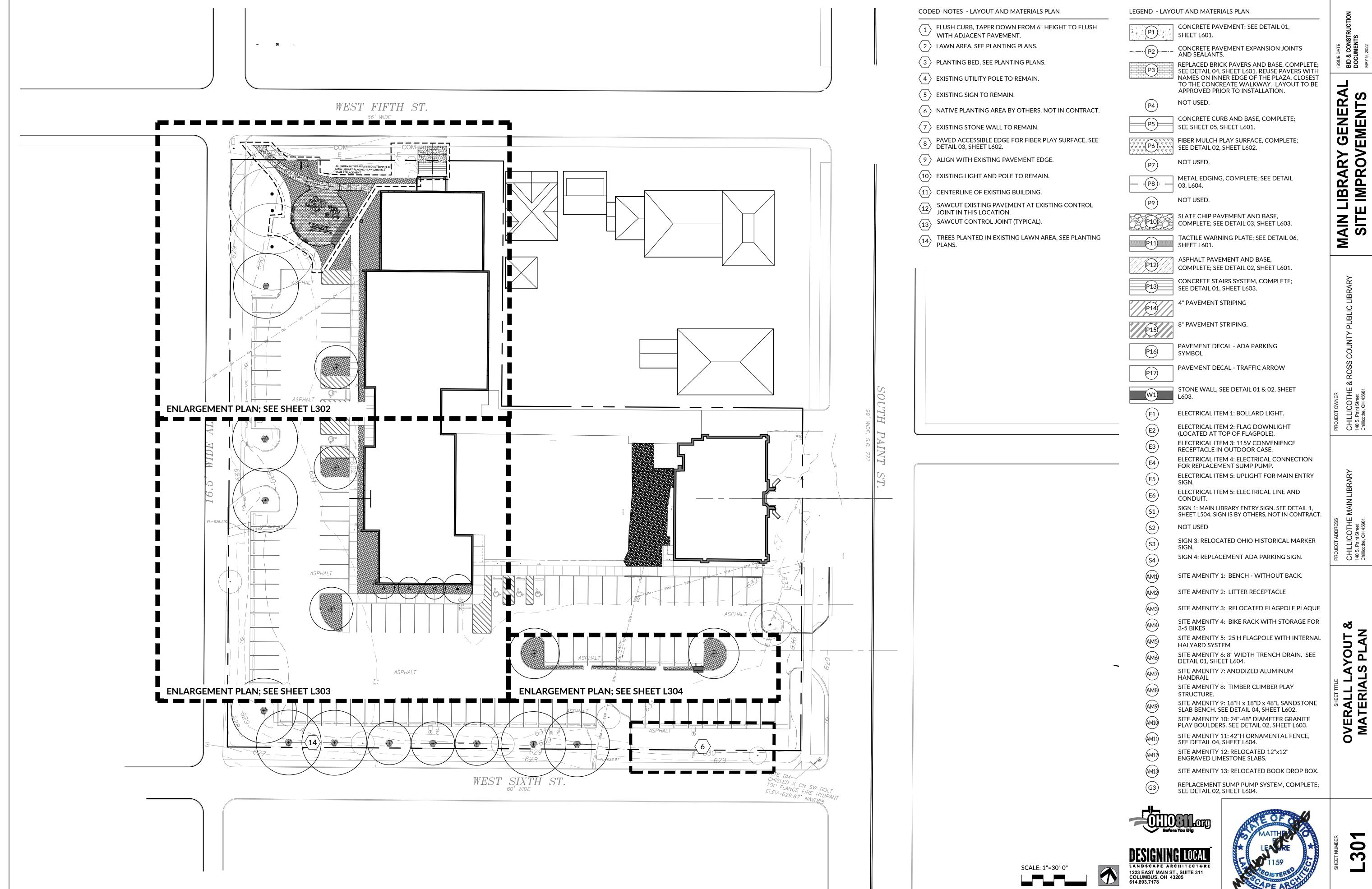
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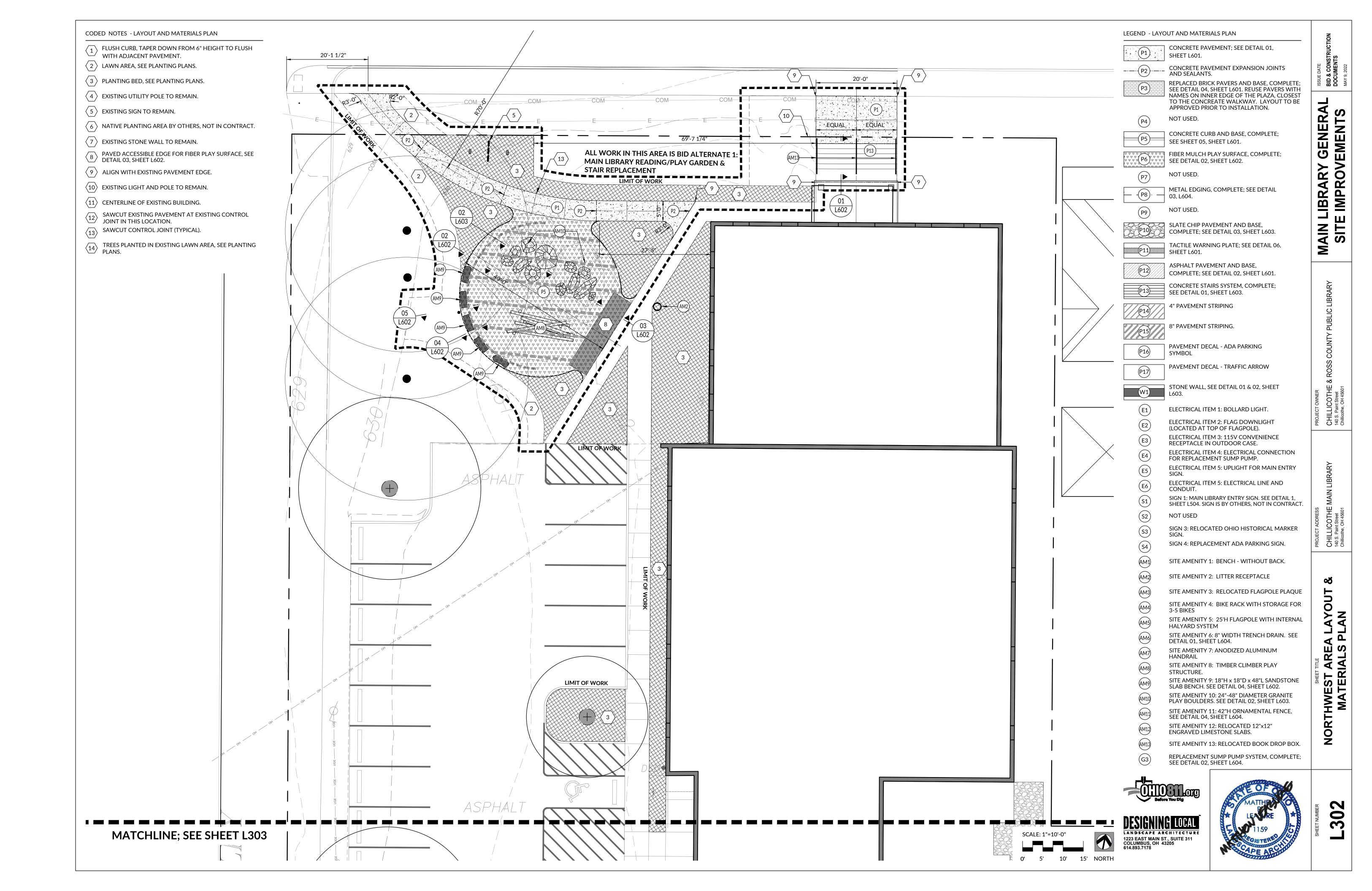


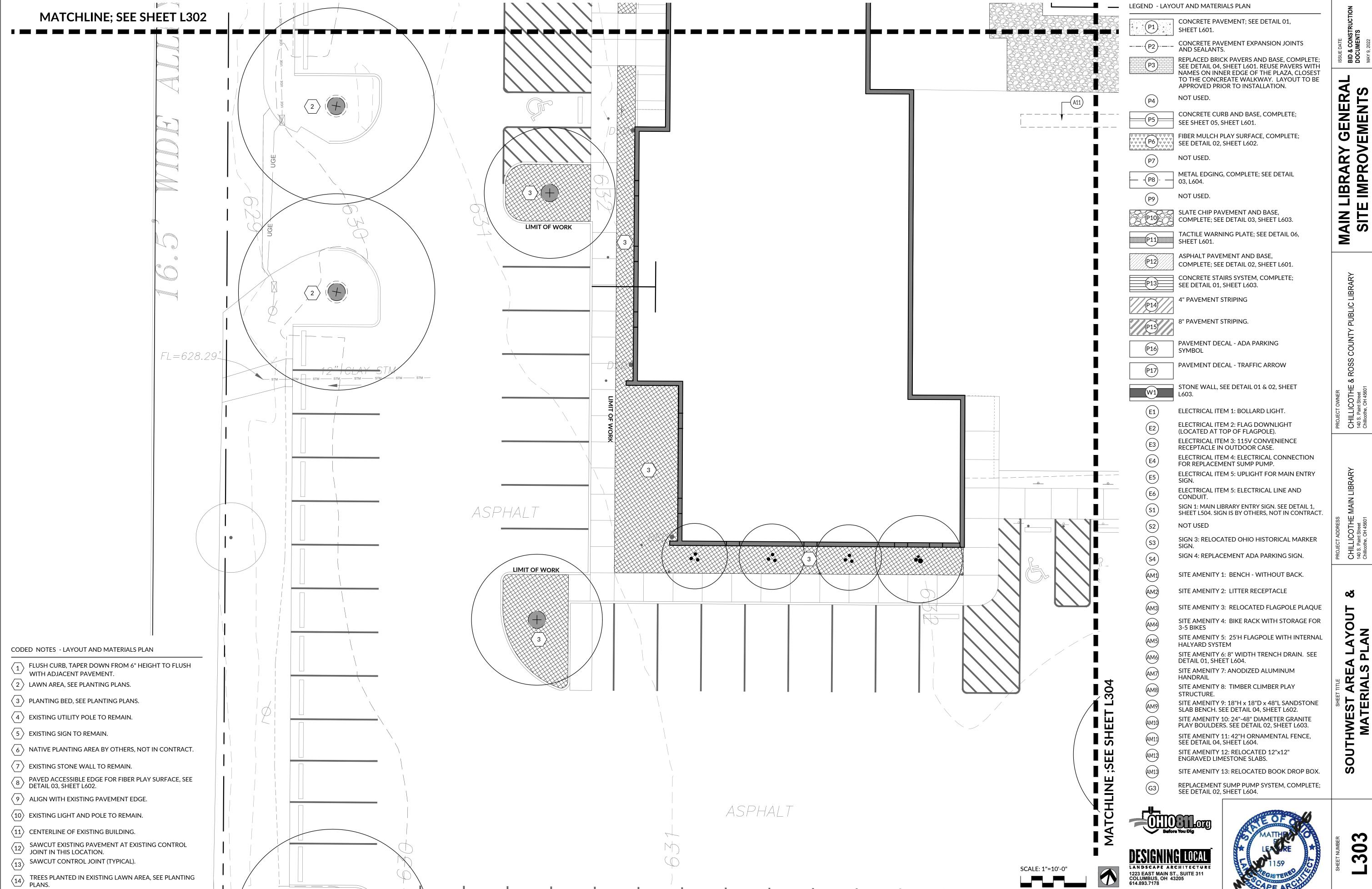




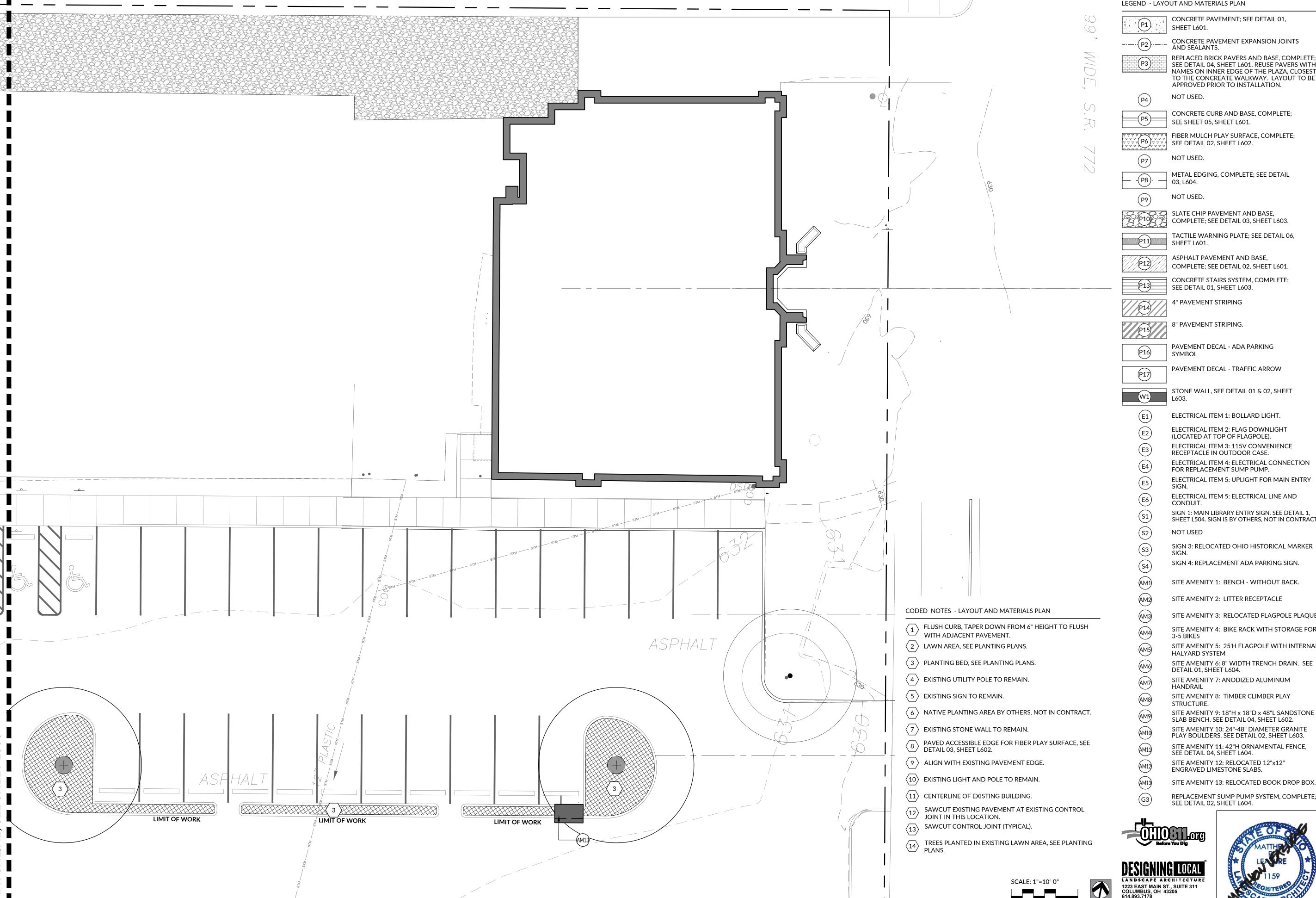
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E/S



REPLACED BRICK PAVERS AND BASE, COMPLETE; SEE DETAIL 04, SHEET L601. REUSE PAVERS WITH NAMES ON INNER EDGE OF THE PLAZA, CLOSEST TO THE CONCREATE WALKWAY. LAYOUT TO BE

CONCRETE CURB AND BASE, COMPLETE;

STONE WALL, SEE DETAIL 01 & 02, SHEET

ELECTRICAL ITEM 4: ELECTRICAL CONNECTION

ELECTRICAL ITEM 5: UPLIGHT FOR MAIN ENTRY

SHEET L504. SIGN IS BY OTHERS, NOT IN CONTRACT.

SIGN 3: RELOCATED OHIO HISTORICAL MARKER

SIGN 4: REPLACEMENT ADA PARKING SIGN.

SITE AMENITY 3: RELOCATED FLAGPOLE PLAQUE

SITE AMENITY 4: BIKE RACK WITH STORAGE FOR

SITE AMENITY 5: 25'H FLAGPOLE WITH INTERNAL

SITE AMENITY 6: 8" WIDTH TRENCH DRAIN. SEE

SITE AMENITY 7: ANODIZED ALUMINUM

SITE AMENITY 10: 24"-48" DIAMETER GRANITE PLAY BOULDERS. SEE DETAIL 02, SHEET L603.

SITE AMENITY 11: 42"H ORNAMENTAL FENCE, SEE DETAIL 04, SHEET L604.

SITE AMENITY 13: RELOCATED BOOK DROP BOX.

REPLACEMENT SUMP PUMP SYSTEM, COMPLETE; SEE DETAIL 02, SHEET L604.

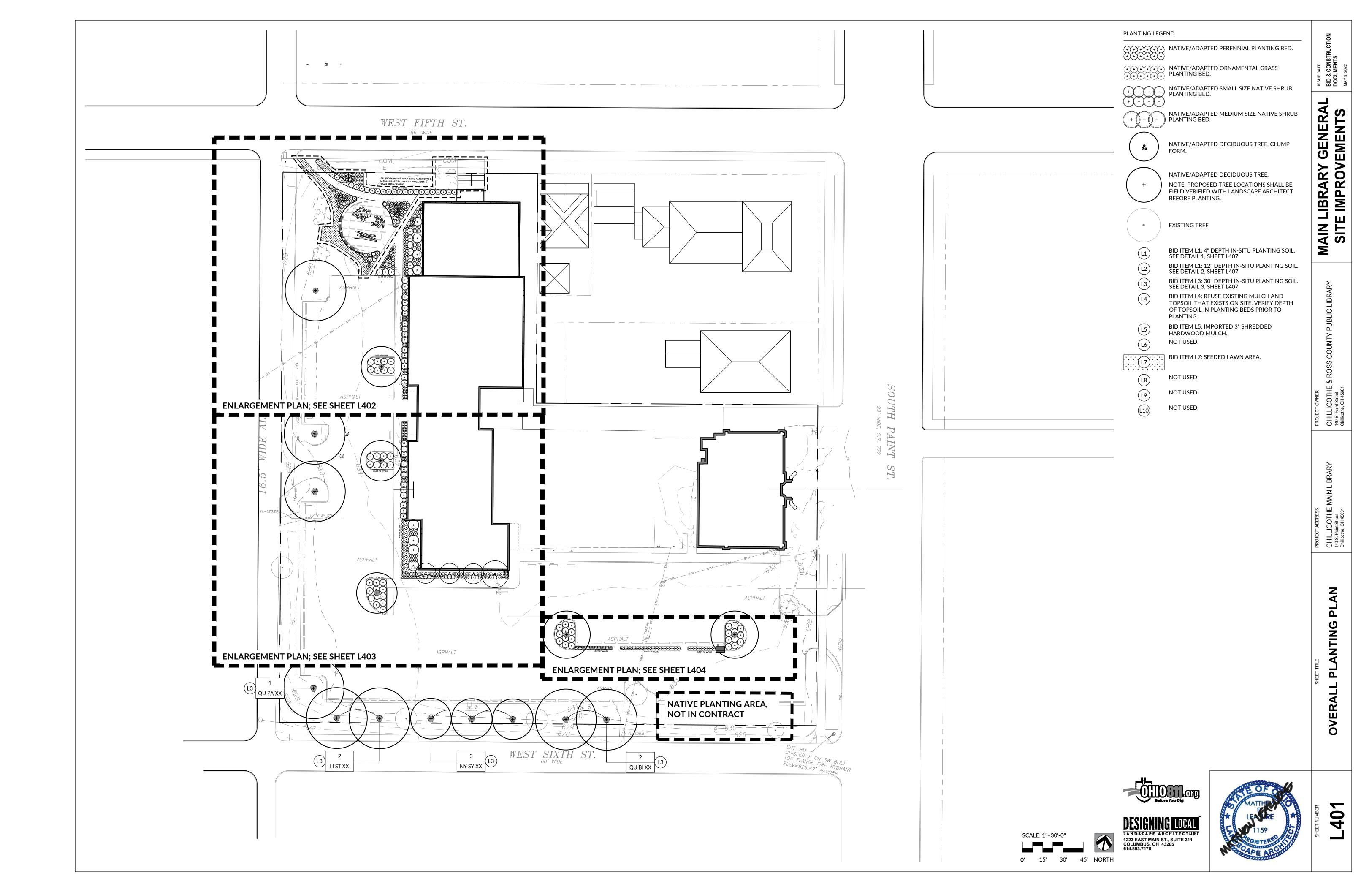


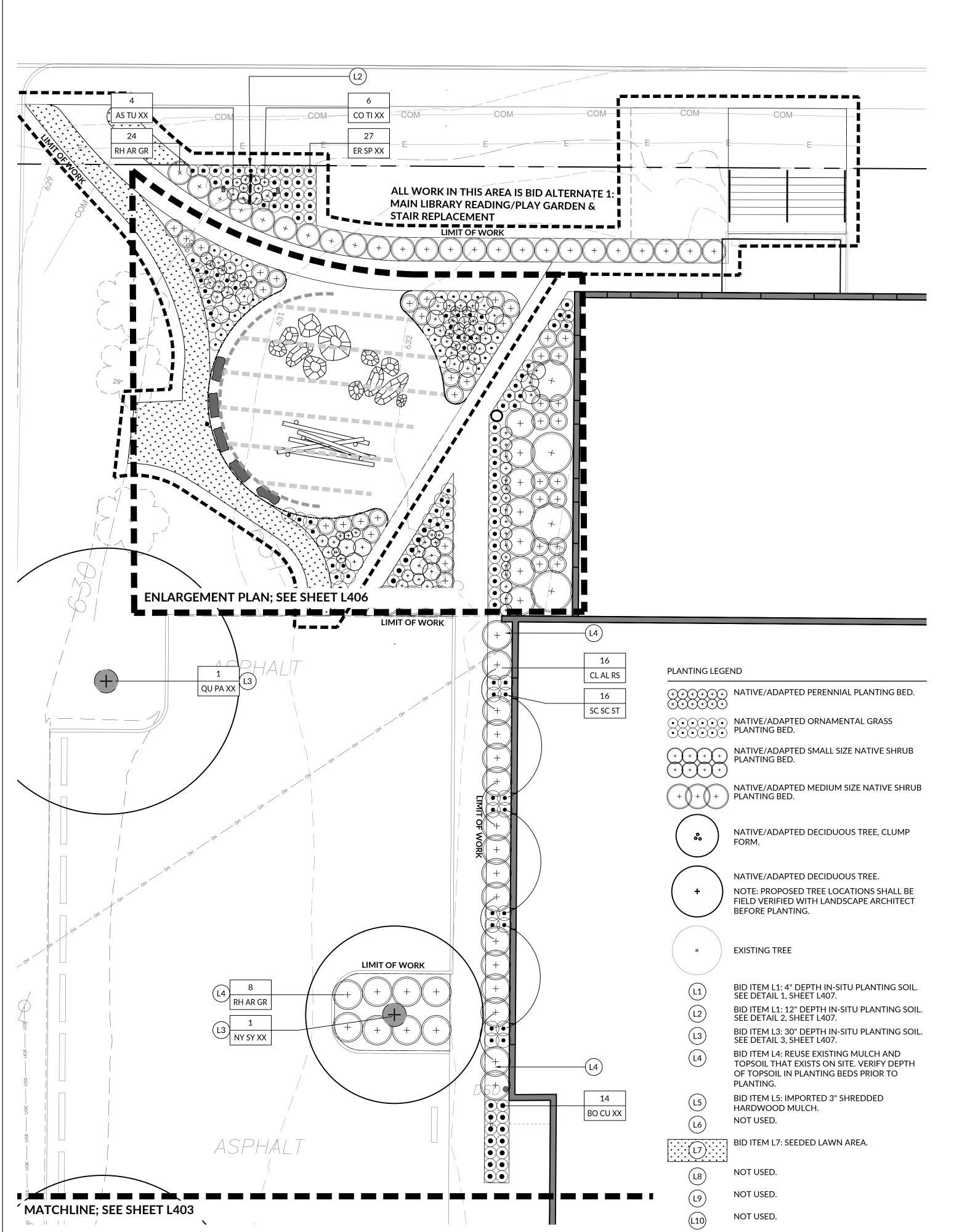
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| SYMBOL | BOTANICAL NAME | | . 1 | | |
|--------------|---|--|-----------|-------------|----------|
| | DO I ANICAL INAIVIE | COMMON NAME | SIZE | SHEETS | BASEBI |
| DECIDUOUS TI | REES | | | | |
| AC RU AR | Acer rubrum 'Armstrong' | Armstrong Red Maple | 2.5" CAL. | L400 SERIES | _ |
| AM GR AB | Amelanchier grandiflora 'Autumn Brilliance' | Autumn Brilliance Serviceberry (Clump) | 8' HT | L400 SERIES | 3 |
| CE CA XX | Cercis canadensis | Eastern Redbud | 2.5" CAL. | L400 SERIES | _ |
| CO DR XX | Cornus dummondii | Giant Grey Dogwood | 8' HT | L400 SERIES | _ |
| CO FL XX | Cornus florida | Flowering Dogwood | 8' HT | L400 SERIES | _ |
| CO OB XX | Cotinus obovatus | American Smoketree | 8' HT | L400 SERIES | 1 |
| GL TR SK | Gleditsia triacanthos v. inermis Skyline | Skyline Honeylocust | 2.5" CAL. | L400 SERIES | 2 |
| JU NI XX | Juglans Nigra | Black Walnut | 2.5" CAL. | L400 SERIES | _ |
| LI ST XX | Liquidambar styraciflua | Sweetgum | 2.5" CAL. | L400 SERIES | 2 |
| NY SY XX | Nyssa sylvatica | Black Tupelo | 2.5" CAL. | L400 SERIES | 3 |
| QU BI XX | Quercus bicolor | Swamp White Oak | 2.5" CAL. | L400 SERIES | 2 |
| QU EL XX | Quercus ellipsiodalis | Northern Pin Oak | 2.5" CAL. | L400 SERIES | _ |
| QU PA XX | Quercus palustris | Pin Oak | 2.5" CAL. | L400 SERIES | 2 |
| QU SH XX | Quercus shumardii | Shumard Oak | 2.5" CAL. | L400 SERIES | 2 |
| SA AL XX | Sassafras albidum | Common Sassafrass | 2.5" CAL. | L400 SERIES | _ |
| TI AM XX | Tilia americana | Basswood | 2.5" CAL. | L400 SERIES | _ |
| SHRUBS | | | | | <u>'</u> |
| AR AR BR | Aronia arbutifolia 'Brilliantissima' | Brilliant Red Chokeberry | #3 Cont. | L400 SERIES | _ |
| CL AL HU | Clethra alnifolia 'Hummingbird' | Hummingbird Summersweet | #3 Cont. | L400 SERIES | _ |
| CL AL RS | Clethra alnifolia 'Ruby Spice' | Ruby Spice Summersweet | #3 Cont. | L400 SERIES | 28 |
| CO PE XX | Comptonia peregrina | Sweet-fern | #3 Cont. | L400 SERIES | _ |
| CO SE XX | Cornus sericea | Redosier Dogwood | #3 Cont. | L400 SERIES | _ |
| FO GA XX | Fothergilla gardenii | Witch Alder | #3 Cont. | L400 SERIES | 47 |
| HA VI XX | Hamemilis virginiana | American Witch-hazel | #3 Cont. | L400 SERIES | 4 |
| HY AR XX | Hydrangea arborescens | Smooth Hydrangea | #3 Cont. | L400 SERIES | _ |
| HY QU XX | Hydrangea quercifolia | Oakleaf Hydrangea | #5 Cont. | L400 SERIES | 4 |
| IL GL DE | llex glabra 'Densa' | Dense Compact Inkberry | #2 Cont. | L400 SERIES | _ |
| IT VI HE | Itea virginica 'Henry's Garnet' | Henry's Garnet Virgina Sweetspire | #3 Cont. | L400 SERIES | _ |
| PO FR GO | Potentilla fruticosa 'Goldfinger' | Goldfinger Potentilla | #3 Cont. | L400 SERIES | _ |
| RH AR GR | Rhus aromatica 'Gro-low' | Gro-low Fragrant Sumac | #3 Cont. | L400 SERIES | 84 |
| VI NU WI | Viburnum nudum 'Winterhur' | Winterhur Viburnum | #3 Cont. | L400 SERIES | _ |
| GRASSES | | | | | |
| BO CU XX | Bouteloua curtipendula | Side Oats Grama | #1 Cont. | L400 SERIES | 85 |
| ER SP XX | Eragrostis spectabilis | Purple Love Grass | #1 Cont. | L400 SERIES | 57 |
| HI OD XX | Hierochloe odorata | Sweet Grass | #1 Cont. | L400 SERIES | |
| SC SC SO | Schizachyrium scoparium 'Standing Ovation' | Standing Ovation Little Bluestem | #1 Cont. | L400 SERIES | 128 |
| SO NU XX | Sorghastrum nutans | Indian Grass | #1 Cont. | L400 SERIES | _ |
| SP HE XX | Sporobolus heterolepis | Prairie Dropseed | #1 Cont. | L400 SERIES | 28 |
| PERENNIALS | | · · · · · · · · · · · · · · · · · · · | | | |
| AS NO PD | Aster novae-angliae 'Purple Dome' | Purple Dome New England Aster | #1 Cont. | L400 SERIES | |
| AS OB XX | Aster oblongifolius | Aromatic Aster | #1 Cont. | L400 SERIES | 40 |
| AS TU XX | Asclepias tuberosa | Butterflyweed | #1 Cont. | L400 SERIES | 4 |
| BA AU XX | Baptisia australis | Blue False Indigo | #1 Cont. | L400 SERIES | · |
| CO TI XX | Coreopsis tinctoria | Plains Coreopsis | #1 Cont. | L400 SERIES | 6 |
| EC PU XX | Echinacea purpurea | Purple Coneflower | #1 Cont. | L400 SERIES | 21 |
| LI SP XX | Liatris spicata | Blazing Star | #1 Cont. | L400 SERIES | |
| LI SP KO | Liatris spicata 'Kobold' | Kobold Blazing Star | #1 Cont. | L400 SERIES | 6 |
| LO CA XX | Lobelia cardinalis | Cardinal Flower | #1 Cont. | L400 SERIES | 29 |
| MO DI RW | Monarda didyma 'Raspberry Wine' | Raspberry Wine Bee Balm | #1 Cont. | L400 SERIES | |
| PH SU SN | Phlox subulata 'Snowflake' | Creeping Snowflake Phlox | #1 Cont. | L400 SERIES | |
| RU HI XX | Rudbeckia hirta | Black-eyed Susan | #1 Cont. | L400 SERIES | 29 |
| RU FU SU | Rudbeckia fulgida sullivantii | Sullivants Coneflower | #1 Cont. | L400 SERIES | |
| SY NO PD | Symphyotrichum novae-angliae 'Purple Dome' | Purple Dome New England Aster | #1 Cont. | L400 SERIES | - |

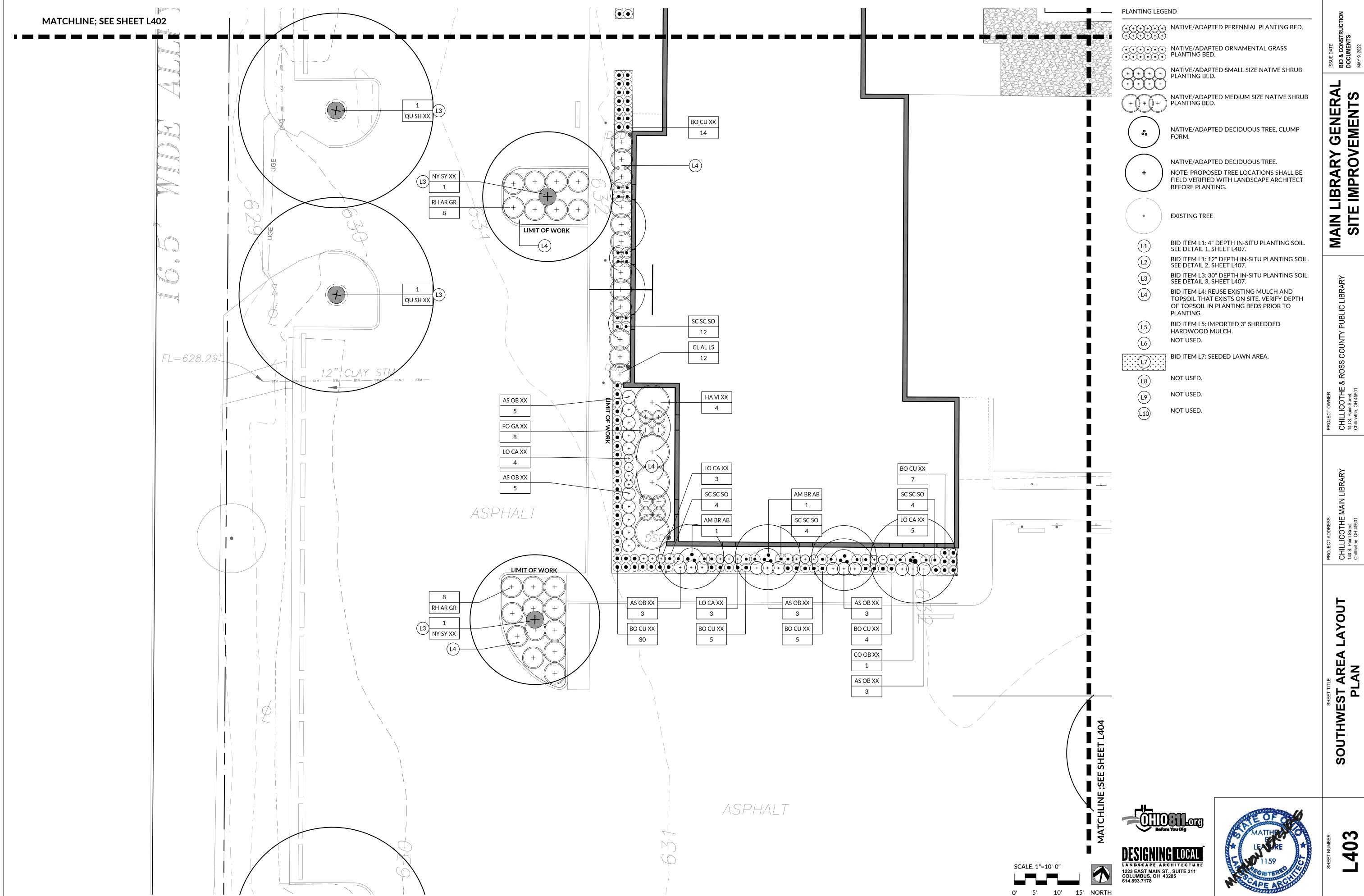




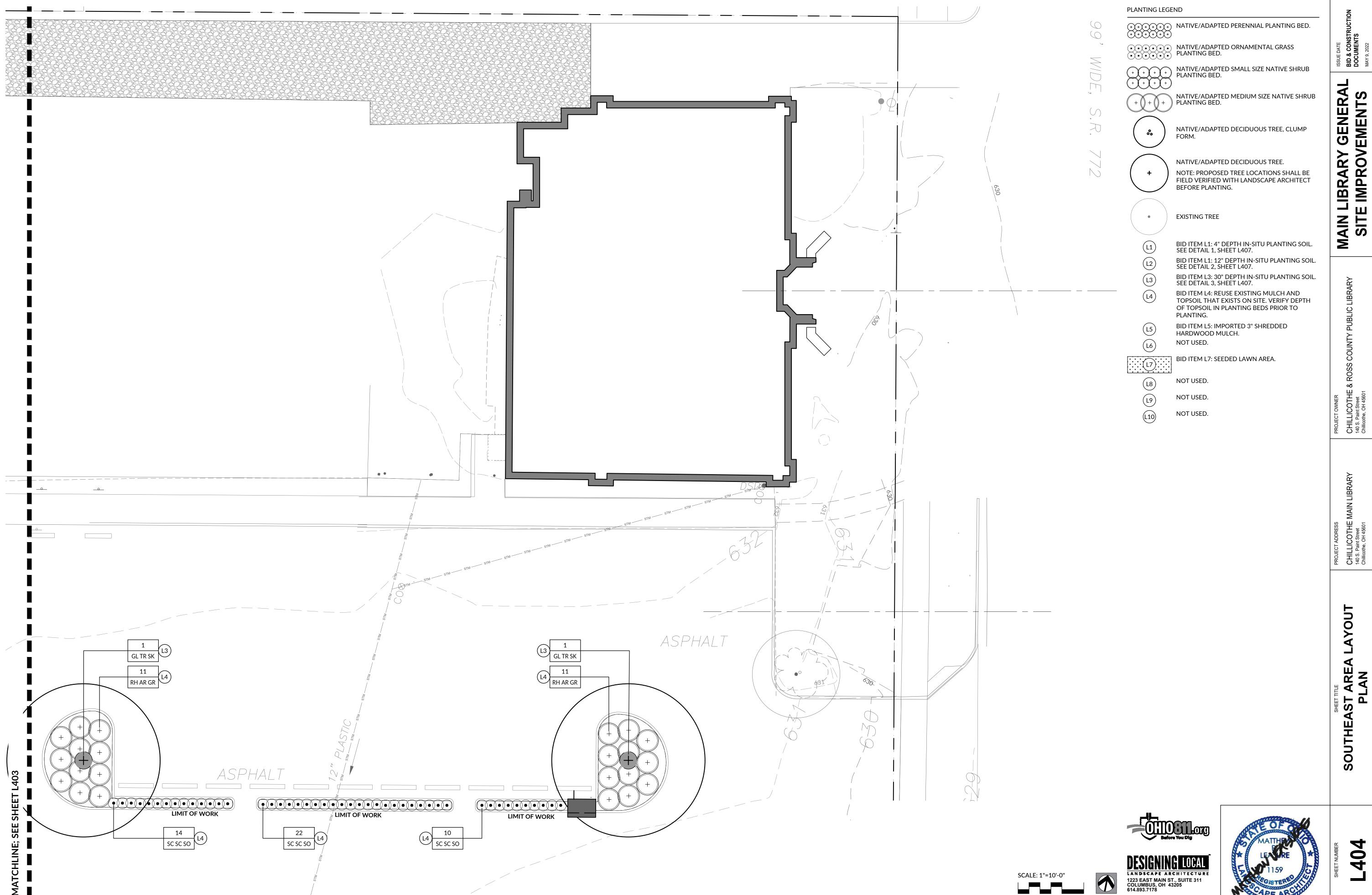
SCALE: 1"=10'-0"

0' 5' 10' 15' NORTH





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10' 15' NORTH

++++++ NATIVE/ADAPTED PERENNIAL PLANTING BED.

NATIVE/ADAPTED ORNAMENTAL GRASS PLANTING BED.

NATIVE/ADAPTED SMALL SIZE NATIVE SHRUB PLANTING BED.

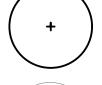
+ () + () +) NATIVE/ADAPTED MEDIUM SIZE NATIVE SHRUB PLANTING BED.



NATIVE/ADAPTED DECIDUOUS TREE, CLUMP



NATIVE/ADAPTED DECIDUOUS TREE. NOTE: PROPOSED TREE LOCATIONS SHALL BE FIELD VERIFIED WITH LANDSCAPE ARCHITECT



EXISTING TREE



BEFORE PLANTING.

BID ITEM L1: 12" DEPTH IN-SITU PLANTING SOIL. SEE DETAIL 2, SHEET L407.

BID ITEM L3: 30" DEPTH IN-SITU PLANTING SOIL. SEE DETAIL 3, SHEET L407.

BID ITEM L4: REUSE EXISTING MULCH AND TOPSOIL THAT EXISTS ON SITE. VERIFY DEPTH OF TOPSOIL IN PLANTING BEDS PRIOR TO

BID ITEM L5: IMPORTED 3" SHREDDED HARDWOOD MULCH.

(L6) NOT USED.

BID ITEM L7: SEEDED LAWN AREA.

PLAN

NOT USED.

NOT USED.

NOT USED.

Before You Dig DESIGNING LOCAL
LANDSCAPE ARCHITECTURE
1223 EAST MAIN ST., SUITE 311
COLUMBUS, OH 43205
614.893.7178



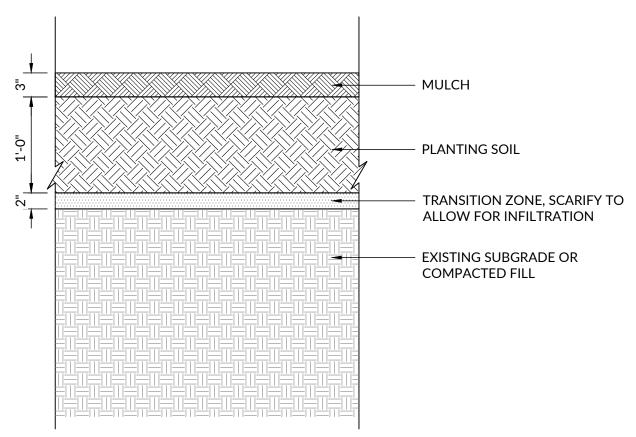
GENERAL /EMENTS

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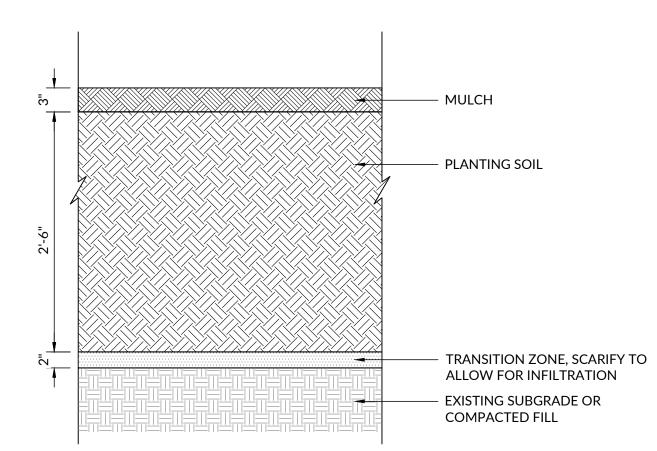
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<u>u 1/7Na/vycznym i Nuzuvi ir 42Nahoocom il /7Na/vycznym i Nuzuvi ir 42Nahoocom il /7Na/vuzivi i</u> - PLANTING SOIL TRANSITION ZONE, SCARIFY TO ALLOW FOR INFILTRATION **EXISTING SUBGRADE OR** COMPACTED FILL

SEEDED/SODDED LAWN SOIL PROFILE NOT TO SCALE

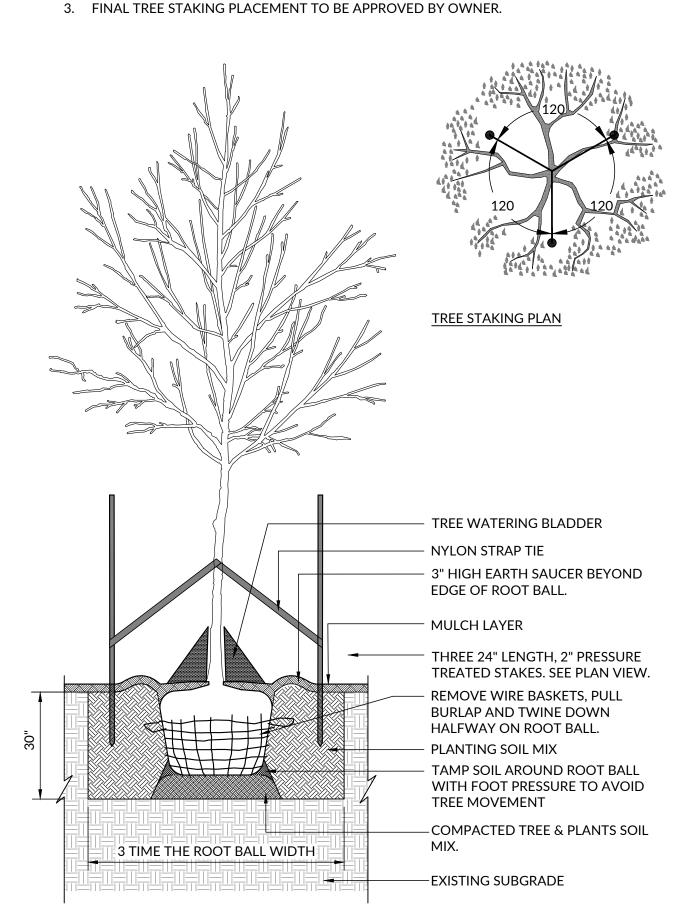


PLANTING BED SOIL PROFILE



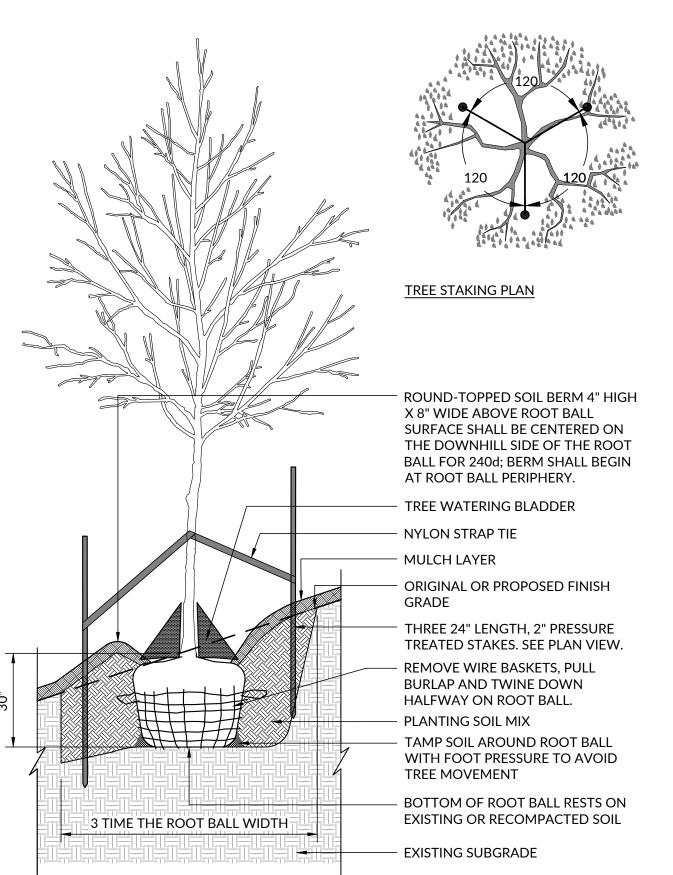
ORNAMENTAL AND SHADE TREE PLANTIN SOIL PROFILE

- 1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- 2. THE TRUNK FLARE MUST BE VISIBLE. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE
- SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

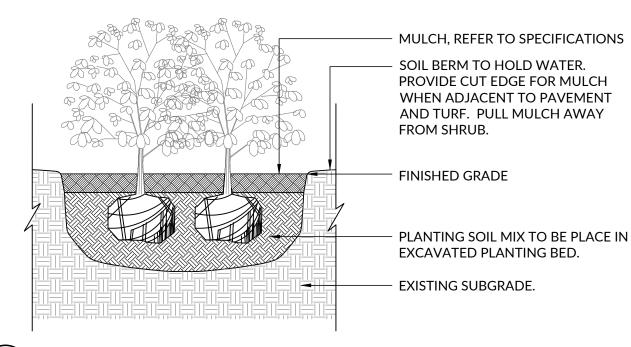


TREE PLANTING NOT TO SCALE

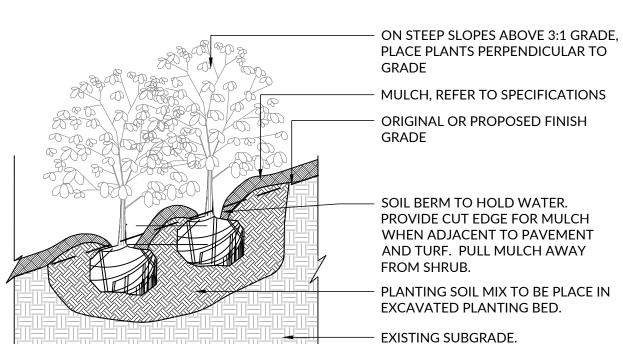
- 1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- 2. THE TRUNK FLARE MUST BE VISIBLE. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
- 3. FINAL TREE STAKING PLACEMENT TO BE APPROVED BY OWNER.



TREE PLANTING ON SLOPE OF 5% (1:20) TO 50% (1:2) NOT TO SCALE



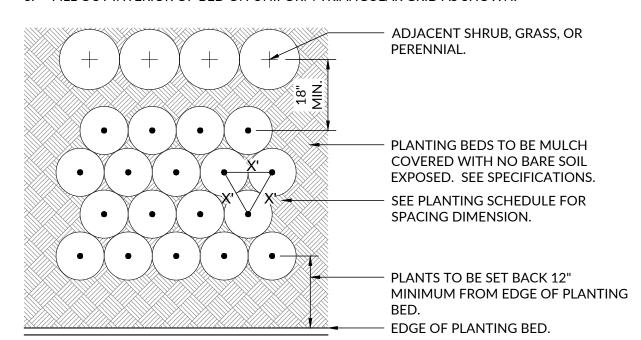
SHRUB AND PERENNIAL PLANTING NOT TO SCALE



(07) SHRUB PLANTING ON SLOPE OF 5% (1:20) TO 50% (1:2) NOT TO SCALE

NOTES:

- 1. ALL ORNAMENTAL GRASS, PERENNIAL, AND GROUNDCOVER MASSES TO USE TRIANGULAR SPACING EXCEPT WHERE NOTED ON PLANS.
- 2. TO CREATE THE APPEARANCE OF A CONSISTENT PLANTED EDGE, PLACE PLANTS ALONG BED EDGES FIRST, PARALLEL TO AND UNIFORMLY OFFSET FROM EDGE OF BED.
- 3. FILL OUT INTERIOR OF BED ON UNIFORM TRIANGULAR GRID AS SHOWN.



PERENNIAL, GRASS, AND GROUNDCOVER SPACING NOT TO SCALE





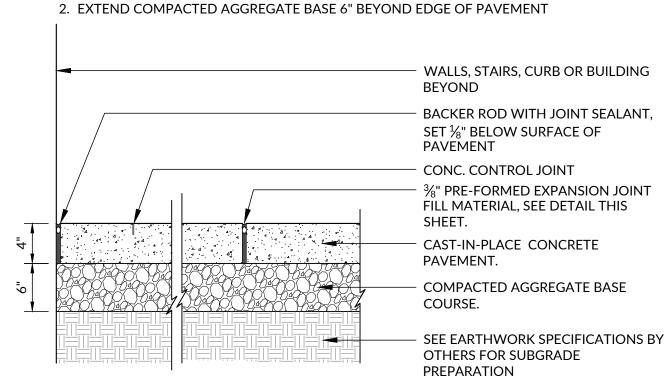




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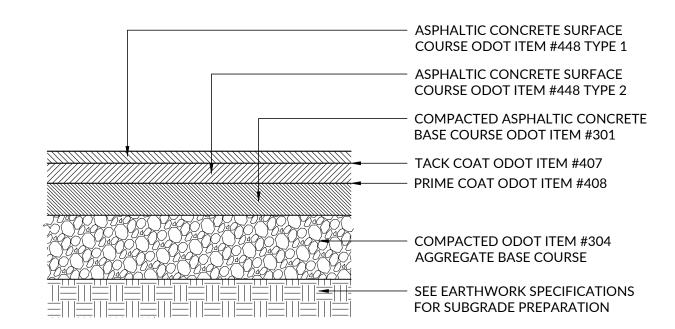
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CONCRETE PAVEMENT SCALE: 1" = 1'-0"

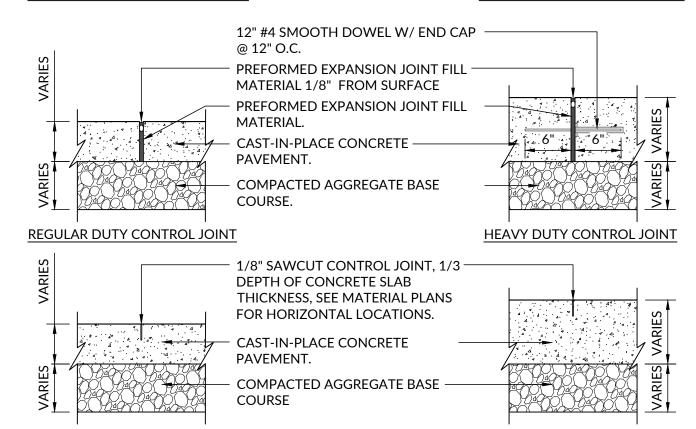
1. ASPHALT PAVEMENT TO BE INSTALLED FOLLOWING GRADE ADJUSTMENT TO PROPOSED GRADES AND SUBSEQUENT SUBGRADE COMPACTION.



HEAVY DUTY ASPHALT PAVEMENT O2 | SCALE: 1" = 1'-0"

REGULAR DUTY EXPANSION JOINT

HEAVY DUTY EXPANSION JOINT

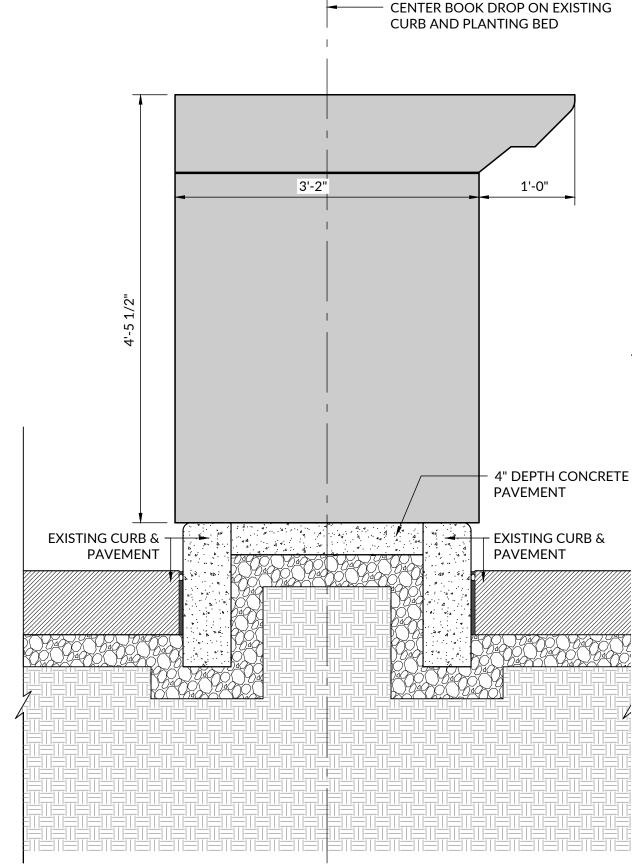


TYPICAL CONCRETE JOINT O3 | SCALE: 1" = 1'-0"

1. COORDINATE WITH LANDSCAPE ARCHITECT FOR FINAL LOCATION OF RELOCATED BOOK

DROP STRUCTURE. 2. REUSE EXISTING ANCHORING SYSTEM TO THE EXTENT POSSIBLE.

3. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY, CONTRACTOR TO MEASURE EXISTING BOOK DROP AS NECESSARY FOR RELOCATION.



RELOCATED BOOK DROP

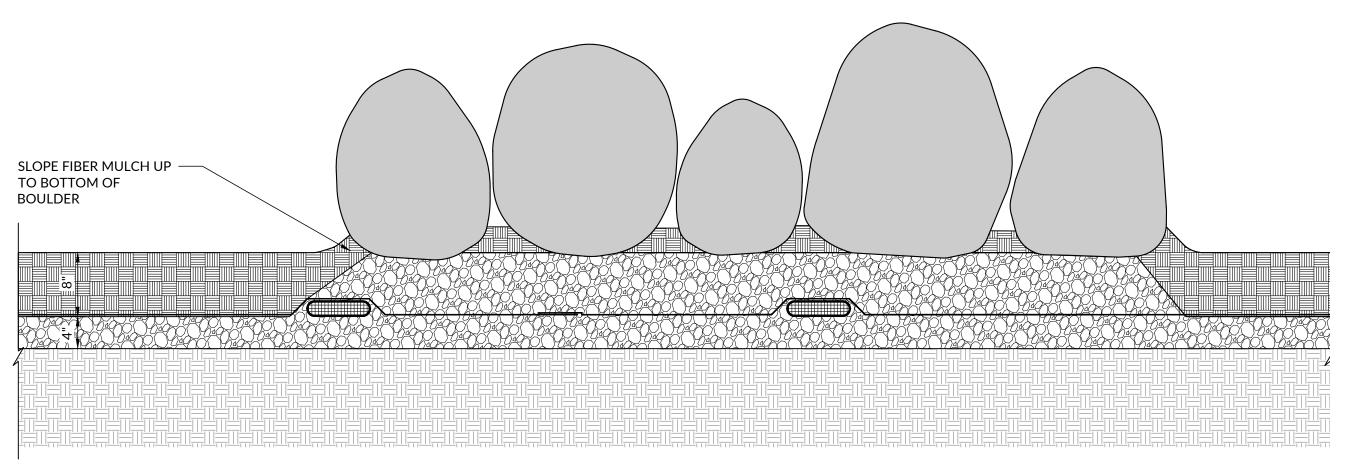
1. PROVIDE CORNER PIECES AND SPLICES AS REQUIRED FOR COMPLETE INSTALLATION.

2. SEE PLANTS SPEC FOR MATERIAL.

3. COLOR: BLACK

FLUSH OVERLAP JOINT ASSEMBLY 16" GALVANIZED STEEL STAKES EXISTING CONCRETE PAD. PLANTING BED, TYP. 1" to 4" SIZE LOCAL WASH STONE METAL EDGING INSTALLED 1/4" COBBLE, GREYS AND BLUES IN COLOR. ABOVE FINAL GRADE ADJACENT SURFACES. METAL EDGING INSTALLED 3/4" LAWN ABOVE FINAL GRADE ADJACENT SURFACES. COMPACTED SUBGRADE. METAL EDGING IN LAWN METAL EDGING AT ALT.#4 SOUTH CANOPY

O5 PLANTER BED METAL EDGING
SCALE: 1" = 1'-0"



66 FIBER MULCH PLAY SURFACE - GRANITE BOULDERS

SCALE: 1" = 1'-0"



1/4" x 6" DEEP, GALVANIZED, POWDER COAT BLACK METAL

EDGING WITH 16" STAKES MAX 2'-0"

GENERAL IMPROVEMENTS LIBRARY AIN L SITE

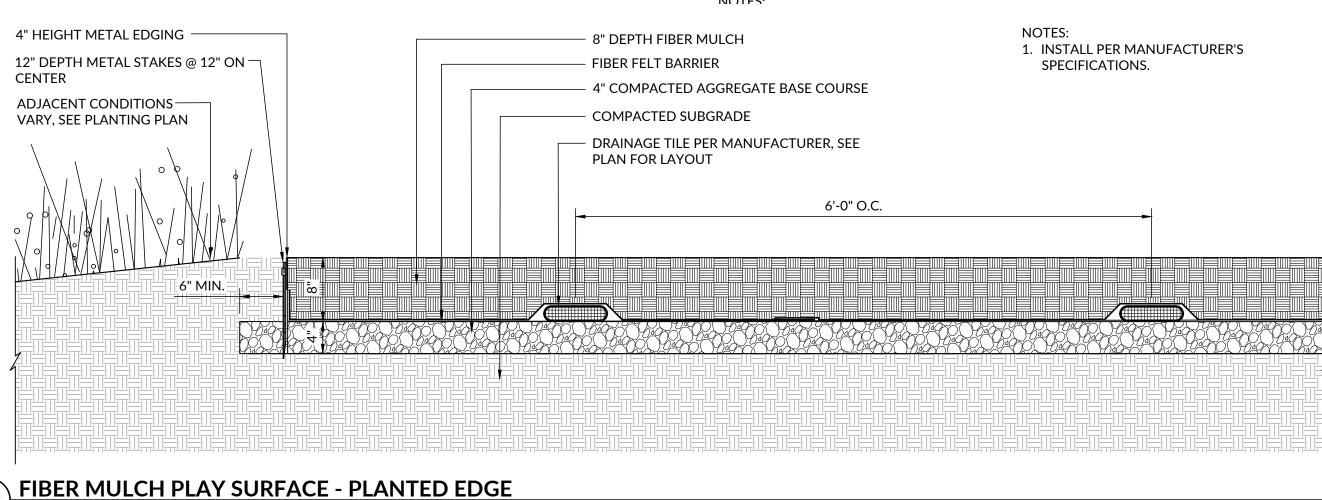
જ PROJECT OWNER
CHILLICOTHE 8
140 S. Paint Street
Chillicothe, OH 45601

DET, ONSTRUCTION

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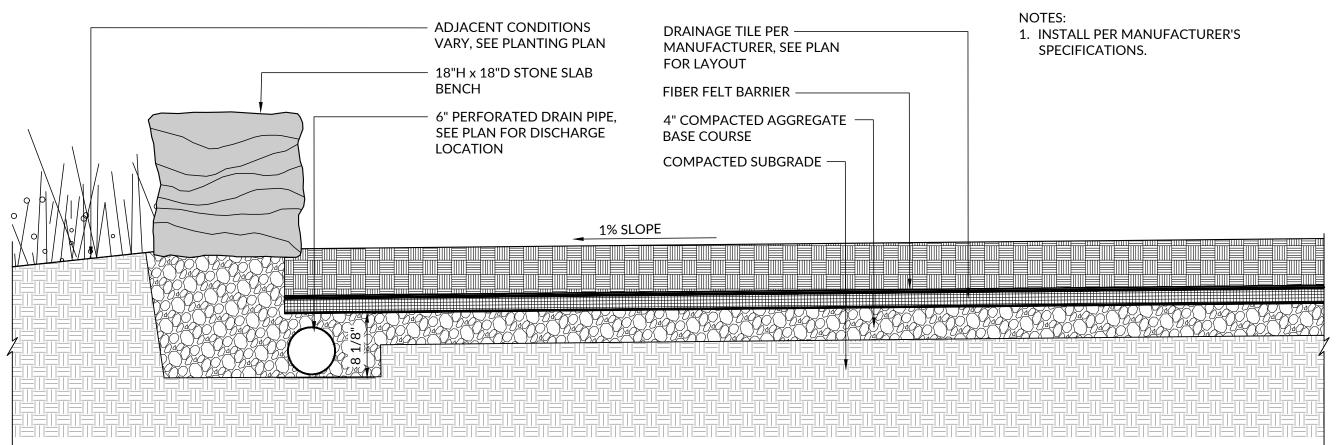
O2 | FIBER MOLCI SCALE: 1" = 1'-0"



1. INSTALL PER MANUFACTURER'S SPECIFICATIONS. - DRAINAGE TILE PER CONCRETE TRANSITION RAMP — - REGULAR DUTY MANUFACTURER, SEE PLAN **EXPANSION JOINT** FOR LAYOUT - CONCRETE TURN DOWN - FIBER FELT BARRIER CURB - 4" COMPACTED AGGREGATE BASE COURSE COMPACTED SUBGRADE 5'-0" 1.12 (:083%) MAX SLOPE

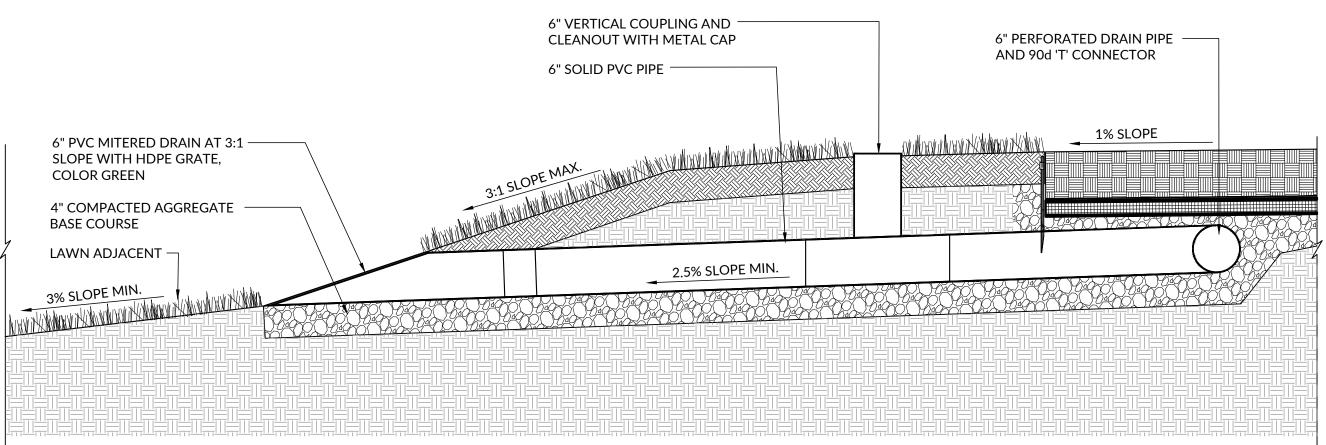
O3 FIBER MULCH PLAY SURFACE - PAVED ACCESSIBLE EDGE

SCALE: 1" = 1'-0"



FIBER MULCH PLAY SURFACE - LOW SIDE DRAINAGE COLLECTION

SCALE: 1" = 1'-0"



05 FIBER MULCH PLAY SURFACE - DRAINAGE DISCHARGE

SCALE: 1" = 1'-0"







502

S

DETAIL

CONSTRUCTION

MAIN LIBRARY GENERAL SITE IMPROVEMENTS

GENERAL

- 1. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED. 2. UNLESS NOTED OTHERWISE, ELEVATIONS ARE REFERENCED FROM +0'-0" DATUM AT THE FINISHED
- FLOOR ELEVATION.
- 3. SECTIONS AND DETAILS ON DRAWINGS ARE TYPICAL FOR ALL SIMILAR CONDITIONS.
- 4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS. 5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL
- DRAWINGS BEFORE STARTING WORK. 6. DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD AND ANY DISCREPANCIES SHALL
- BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED WORK. 7. VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, LOCATIONS AND ASSOCIATED OPENINGS WITH
- MECHANICAL CONTRACTOR. NOTIFY ENGINEER IF ACTUAL WEIGHT EXCEEDS THE DESIGN WEIGHT SHOWN ON THE DRAWINGS
- 8. FABRICATOR SHALL HIGHLIGHT PROPOSED CHANGES ON THE SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE DESIGN DRAWINGS.
- 9. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL.
- 10. A RECORD SET OF SHOP DRAWINGS SHALL BE KEPT IN THE FIELD BY THE GENERAL CONTRACTOR. 11. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TEMPORARY
- BRACING, SHORING, GUYING, ETC AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. 12. COORDINATE ALL (E) AND NEW UTILITY LINE LOCATIONS W/ SITE AND/OR MECH. DWGS. REPORT

ANY AND ALL INTERFERENCES W/ INTENDED FOUNDATION CONFIGURATIONS TO ENGINEER PRIOR

FOUNDATIONS AND SOILS

TO INSTALLING FOUNDATIONS.

- 1. SITE WORK SHALL BE PERFORMED UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER OR SOILS TECHNICIAN.
- 2. ALL FOUNDATIONS SHALL BEAR ON COMPACTED STRUCTURAL FILL OVER NATURAL INORGANIC SOILS AT ELEVATIONS SHOWN ON PLANS AND DETAILS
- 3. SELECT FILL MATERIALS SHALL BE PLACED IN 8 INCH LAYERS (USING PLATE COMPACTORS) OR 12 INCH LAYERS (USING VIBRATORY ROLLERS) AND BE COMPACTED TO AT LEAST 95% MODIFIED PROCTOR METHOD.
- 4. ALL FOOTINGS, OR PORTIONS THEREOF, BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS IF SOIL CONDITIONS ALLOW.
- 5. FOOTINGS ARE DESIGNED FOR AN ASSUMED SOIL PRESSURE OF 1500 PSF AND SHALL BE VERIFIED BY THE OWNER PRIOR TO CONSTRUCTION.

14'-10¾"

REFERENCE ARCH DRAWINGS FOR LOCATION

- NEW RETAINING

WALL

CONCRETE

1. CONCRETE SHALL CONFORM TO THE FOLLOWING: WHERE MIN I'C IS THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, AND MAX W/C IS THE MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO.

| CONCRETE LOCATION/USE | MIN f'c | MAX W/C | AIR CONTENT |
|--------------------------|----------|---------|-------------------------------|
| FOOTINGS | 3000 PSI | 0.55 | - |
| FOUNDATION WALLS & PIERS | 4000 PSI | 0.50 | 6% ± 1.5% |
| INTERIOR SLABS-ON-GRADE | 3000 PSI | 0.50 | 3% OR LESS AT TROWELED FINISH |
| EXTERIOR CONCRETE | 4000 PSI | 0.45 | 6% ± 1.5% |

- 2. MAXIMUM SLUMP SHALL BE 5" EXCEPT WHERE PLASTICIZING ADMIXTURE IS USED PER MFR'S RECOMMENDATIONS.
- 3. SEE SPECIFICATION FOR ADDITIONAL CONCRETE REQUIREMENTS.
- 4. CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE
- 5. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33. REINFORCEMENT SHALL BE DEFORMED BARS THAT MEET ASTM A615, GRADE 60.
- 8. WELDED WIRE FABRIC (WWF) SHALL MEET ASTM A185 AND BE PROVIDED IN FLAT SHEETS ONLY.
- 9. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH EXPOSED TO EARTH OR WEATHER EXPOSED TO EARTH OR WEATHER

REINFORCEMENT SIZE MIN COVER #6 THROUGH #18 #5 AND SMALLER 1 1/2"

- LIMESTONE CAP, SEE ARCH

8" CMU W/ #5 VERT @ 16" OC

FULLY GROUTED, EXTEND INTO

12" CMU AS SHOWN

– FINISH GRADE, SEE ARCH

- 12" CMU W/ #5 VERT @

- (2) WYTHE 8" CMU, ALT

DIRECTION EA ROW, W/ #5

GEOTEXTILE FABRIC

PERIMETER DRAIN &

AGGREGATE

WRAPPED AROUND GRAVEL

- #5 CONT @ EDGES

& @ 12" OC (TOP)

VERT @ 16" OC EA FACE

TYP AS SHOWN

FULLY GROUTED

16" OC FFULLY GROUTED,

10. REINFORCEMENT SHALL BE DETAILED, FABRICATED AND PLACED PER CRSI AND ACI STANDARDS, INCLUDING CONCRETE COVER AND BAR SUPPORTS. (DESIRED METHOD OF SUPPORTING TOP BARS IN THICK MATS SHALL BE VERIFIED WITH ENGINEER.) PROVIDE CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCEMENT IN SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS, EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING. LAP BARS AT ALL SPLICES, INCLUDING CORNER BARS AND DOWELS, IN ACCORDANCE WITH SPLICE SCHEDULE OR IN LIEU THEREOF 40 BAR DIAMETERS. LAP WWF 6" OR ONE FULL MESH, WHICHEVER IS GREATER. SLAB REINFORCEMENT SHALL BE SUPPORTED AT MID-HEIGHT OF SLAB, AT NOT MORE THAN 4-'0" OC AND IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE.

- 11. PROVIDE 2-#4, 4'-0" LONGER THAN OPENING DIMENSION ON ALL SIDES OF OPENING IN SLAB.
- 12. ALUMINUM SHALL NOT BE EMBEDDED IN ANY CONCRETE. 13. HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS ARE NOT PERMITTED
- WITHOUT ENGINEER'S APPROVAL. 14. PROVIDE CLASS B TENSION LAP SPLICE BETWEEN VERTICAL WALL REINFORCEMENT AND FOOTING
- DOWELS. DOWELS SHALL MATCH SIZE AND SPACING OF WALL REINFORCEMENT. 15. WALL AND FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH PIERS AND COLUMN

16. WHERE CONCRETE SLABS-ON-GRADE ABUT WALLS OR OTHER FIXED OBJECTS, PROVIDE 1/2" THICK PREMOLDED JOINT FILLER ISOLATION MATERIAL, WITH SEALANT PER ARCH.

MASONRY

OC MAX.

- 1. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, NORMALWEIGHT, TYPE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA (f'm = 1500 PSI).
- MORTAR FOR USE IN MASONRY SHALL MEET ASTM C270, TYPE S. 3. GROUT FOR USE IN MASONRY SHALL MEET ASTM C476, MIN 2000 PSI AND NOT LESS THAN A 6-1/2
- SACK MIX.
- 4. REINFORCING BARS SHALL MEET ASTM A615, GRADE 60. 5. PROVIDE AT LEAST 2 VERTICAL BARS AT EACH END, CORNERS, AND INTERSECTIONS OF ALL WALLS.
- SEE WALL SECTIONS FOR TYPICAL VERTICAL REINFORCEMENT.
- CMU SHALL BE LAID IN RUNNING BOND PATTERN.
- VERTICAL AND HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED PER TMS 402. 8. PROVIDE STANDARD GAGE TRUSS TYPE OR LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT AT 16"
- 9. HOLD VERTICAL BARS STRAIGHT, TRUE, AND ACCURATE IN ALL WALLS AS DETAILED. INSTALL REBAR POSITIONERS @ 4'-O" OC MAX AND ENSURE REBAR IS HELD IN PROPER LOCATION WITHIN THE CELL.
- 10. REINFORCEMENT, REBAR POSITIONERS, AND TIES SHALL BE PLACED PRIOR TO GROUTING.
- 11. REINFORCED MASONRY COLUMN AND WALL SECTIONS REQUIRE DOWELS FROM FOOTING, SAME SIZE AND QUANTITY AS VERTICAL REINFORCEMENT IN COLUMN OR WALL UNLESS NOTED OTHERWISE.
- 12. SOLID GROUT WALL CELLS BELOW GRADE. FILL JOINTS BETWEEN WYTHES BELOW GRADE. 13. GROUT ALL REINFORCED CELLS. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN REINFORCEMENT
- 14. GROUT PLACEMENT SHALL CONFORM TO TMS 602; HOWEVER, THE MAXIMUM GROUT POUR HEIGHT SHALL NOT EXCEED 8 FEET AND THE MAXIMUM HEIGHT WHICH GROUT IS PLACED IN ONE CONTINUOUS OPERATION (GROUT LIFT) SHALL NOT EXCEED 4 FEET. THERE SHALL BE A MINIMUM OF 1
- HOUR SETTING TIME BETWEEN EACH GROUT LIFT. 15. PLACE INTERMEDIATE LIFTS TO 1" BELOW THE BED JOINT.
- 16. CLEANOUTS SHALL BE CONSTRUCTED ADJACENT TO EACH VERTICAL BAR IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR HEIGHT THAT EXCEEDS 5 FEET. CONSTRUCT CLEANOUTS WITH AN OPENING OF SUFFICIENT SIZE TO PERMIT REMOVAL OF DEBRIS, BUT NOT LESS THAN 3" DIMENSION. AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE. CLEANOUTS SHALL BE LOCATED ON WALL FACE NOT EXPOSED TO VIEW.

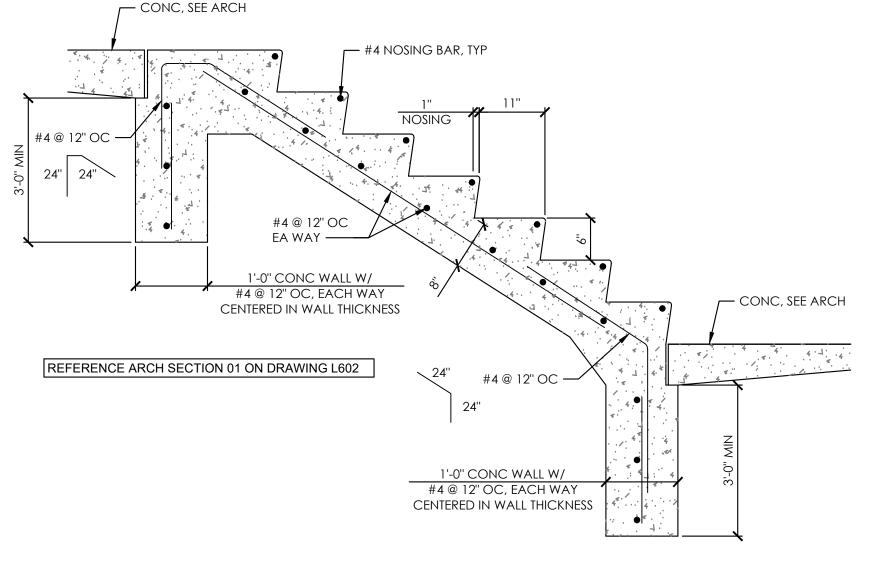
ANCHORS, DOWELS AND FASTENERS

- 1. ANCHORS, DOWELS, FASTENERS AND FASTENING SYSTEMS NOTED ON DRAWINGS SHALL BE
- INSTALLED PER CURRENT CODE REPORT AND PER MFR RECOMMENDATIONS. 2. POST-INSTALLED ANCHORS AND DOWELS IN CONCRETE SHALL BE ADHERED USING HILTI HIT-HY 200
- (ESR-3187) OR SIMPSON SET-XP (ESR 2508) 3. POST-INSTALLED ANCHORS AND DOWELS IN MASONRY SHALL BE ADHERED USING HILTI HIT-HY 270
 - (ESR-4143 AND ESR-4144) OR SIMPSON SET-XP (ER-265)
- 4. HILTI X-U (ESR-2269)
- 5. SIMPSON TITEN (ESR-2713/ESR-1056)
- 6. BOX BOLT (ESR-3217) 7. HILTI KWIK-BOLT 3 (ESR-1385)

SPECIAL INSPECTIONS AND TESTS

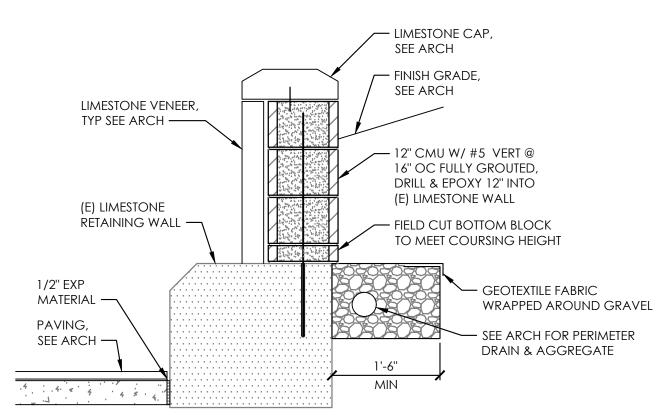
THE FOLLOWING INSPECTIONS AND TESTS ARE REQUIRED AND SHALL BE PERFORMED BY AN APPROVED AGENCY, PAID FOR BY THE OWNER.

- 1. VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION PER AISC 360-10 CHAPTER N.
- 2. VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION PER BUILDING CODE TABLE 1705.3. 3. INSPECTION OF SITE SOILS, FILL PLACEMENT, AND BEARING CAPACITIES BY A LICENSED GEOTECHNICAL **ENGINEER AS FOLLOWS:**
 - a. OBSERVATION OF PROOF ROLLING FOR THE SITE PRIOR TO FILL PLACEMENT.
 - b. COMPACTION TESTING OF STRUCTURAL FILL PLACEMENT. LIFTS SHALL NOT EXCEED 8".
 - PROVIDE BEARING TESTS AT EACH FOOTING LOCATION TO CONFIRM BEARING CAPACITY. d. REQUIRED VERIFICATION AND INSPECTION OF SOILS PER BUILDING CODE TABLE 1705.6.



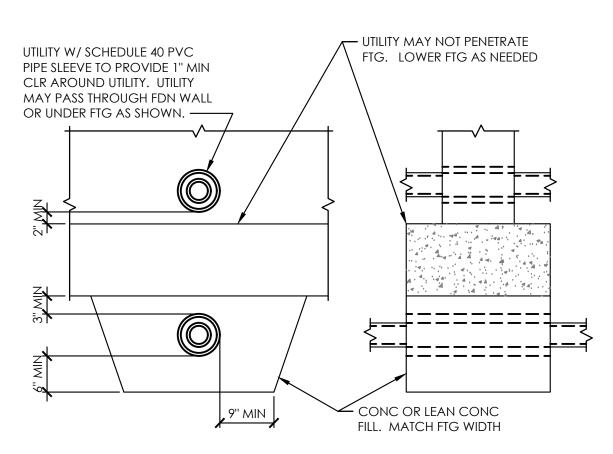


CONCRETE STAIR SECTION



REFERENCE ARCH SECTION 02 ON DRAWING L603

RETAINING WALL SECTION



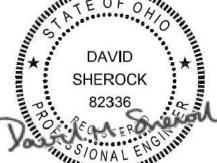
Side View TYPICAL UTILITY @ FDN WALL

1223 EAST MAIN ST., SUITE 311

COLUMBUS, OH 43205

614.893.7178





TURAL PLAN SECTIONS

STRUC-AND

Ö

OVEMEN

AIN IMP

RETAINING WALL PLAN

(E) LIMESTONE

RETAINING WALL

LINE OF SYMMETRY

DIMENSIONS TYP.)

(NOTES, SECTIONS &

LIMESTONE VENEER,

PAVING, SEE ARCH —

1/2" EXP MATERIAL

1.4 8 4 .4 2.

TYP SEE ARCH —

RETAINING WALL SECTION

REFERENCE ARCH SECTION 01 ON DRAWING L603

DOWEL EXTENDING TO TOE OF

- 2 - #5 CONT (BOT)

FTG. MATCH & LAP WALL REINF