# CITY OF SPRINGDALE HAMILTON COUNTY, OHIO TRI-COUNTY PKWY SIDEWALKS

231937

## CITY OF SPRINGDALE OFFICIALS

**MAYOR** 

LAWRENCE HAWKINS III

## **CITY ADMINISTRATOR**

**JOHN J. JONES** 

## **ASSISTANT CITY ADMINISTRATOR**

**BRIAN UHL** 

## CITY COUNCIL

**THOMAS VANOVER** 

**DAN JACOBS** 

**JEFFREY ANDERSON** 

**MEGHAN SULLIVAN-WISECUP** 

**DAVID E. GLEAVES** 

MICHELLE McFARLAND

LAVONNE L. WEBSTER



## **VICINITY MAP**

## **ODOT STANDARD DRAWINGS**

THE CURRENT EDITION OF THE ODOT STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

### **PROJECT SPECIFICATIONS**

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE JANUARY 1, 2019 STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND

SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

## **UNDERGROUND UTILITIES**



**2 WORKING DAYS BEFORE YOU DIG** 

CALL 1-800-362-2764 (TOLL FREE) NON-MEMBERS MUST BE CALLED DIRECTLY

APPROVED FOR CONSTRUCTION BY:





Digitally signed by Shawn Date: 2024.06.11

INDEX OF SHEETS

TITLE SHEET

DETAILS

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SHAWN RIGGS, P.E. #84714



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PROJECT NO: 231937 DRAWING NAME TTL

SHEET OF DATE 9

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JOHN J. JONES, CITY ADMINISTRATOR

CONSTRUCTION AND MATERIAL SPECIFICATIONS. 2. EXPANSION MATERIAL FOR CONCRETE SIDEWALKS, DRIVEWAY APRONS,

WITH THE ODOT CMS ITEM 705.03, INSTALLED PER THE FOLLOWING

**GENERAL NOTES** 

A. AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.)

CURBS, AND GUTTERS SHALL BE FLEXIBLE FOAM MATERIAL, IN ACCORDANCE

- WHERE NEW CONCRETE ABUTS EXISTING CONCRETE
- B. AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.
- C. AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADII ENTERING THE INTERSECTION.
- D. AT INTERVALS NOT TO EXCEED 100 FEET. CONTRACTOR JOINTS EQUALLY SPACED AT 5 FOOT INTERVALS
- E. NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.
- ANY AND ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED WITH NEW MATERIALS TO THE SATISFACTION OF THE CITY. YARDS SHALL BE SEEDED AND MULCHED PER ITEM 659; YARDS ARE TO BE RESTORED WITHIN 7 DAYS OF DENUDING. TOTAL AREA OF DISTURBANCE 0.41 ACRES.
- ALL APPLICABLE REQUIREMENTS OF THE OEPA GENERAL CONSTRUCTION STORM WATER PERMIT SHALL BE FOLLOWED BY THE CONTRACTOR SHOULD THE PROJECT REQUIRE DISTURBANCE OF 1 ACRE OR MORE. REGARDLESS OF THE AMOUNT OF LAND DISTURBED, GOOD HOUSEKEEPING MEASURES AND SPILL PREVENTION AND CONTAINMENT PRACTICES SHALL BE UTILIZED FOR THE PROJECT.
- THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY OF
- 6. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS, PRIVATE SIGNS, STREET SIGNS, RESTORATION OF LANDSCAPING AND TREATMENT OF EXISTING WALLS WHERE A PORTION HAS BEEN REMOVED SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.
- 9. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL COUNTY, STATE AND CITY OF SPRINGDALE PERMITS HAVE BEEN ISSUED, AS REQUIRED. THE CONTRACTOR SHALL PAY ALL CHARGES AND FEES ASSOCIATED WITH THE PERMITS.
- 10. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF SPRINGDALE. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS.

### MATERIALS AND SPECIFICATIONS

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW, AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE INDICATED. THE CONTRACTOR SHALL FURNISH. UPON REQUEST, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP

ALL ITEMS AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND OWNER IN WRITING AND SHALL BE FOLIAL OR SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRES ENGINEERING REVISIONS, THE TOTAL EXPENSE OF SAID REVISIONS SHALL BE PAID BY THE CONTRACTOR.

ANY ITEMS OF LABOR AND MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS INCIDENTAL TO THE CONTRACT, EXCEPT AS NOTED IN THE PLANS AND SPECIFICATIONS.

### **TESTING**

THE CONTRACTOR SHALL INCLUDE THE COST OF ALL REQUIRED TESTS IN THE UNIT PRICE BID FOR THE PERTINENT ITEM AND NO SEPARATE COMPENSATION IS TO BE MADE FOR SAID TESTING.

### CITY OWNED TRAFFIC SIGNS, POSTS, SIGNALS, AND POLES

TRAFFIC SIGNS, POSTS, SIGNAL EQUIPMENT AND POLES THAT ARE NOT INTENDED TO BE REUSED SHALL BE CAREFULLY REMOVED, CLEANED AND DELIVERED TO THE CITY MAINTENANCE GARAGE FOR INSPECTION AND STORAGE. IF ANY OF THOSE ITEMS GET DAMAGED BY THE CONTRACTOR THEY SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

### **RESPONSIBILITY**

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THEIR WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE, (I.E. EXISTING INLETS, CONDUITS, ETC.) WHICH IS NOT MARKED FOR REPLACEMENT OR REMOVAL. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE OPERATIONS OF THE CONTRACTOR, THEY SHALL REPLACE THE DAMAGED PORTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS.

IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.

### STORM WATER POLLUTION, EROSION CONTROL AND DUST CONTROL

THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION AND SILTATION AT ALL POINTS OF THE PROJECT. TEMPORARY SEEDING AND MULCHING; STRAW BALES, SLOPE DRAINS, SILT FENCE, INLET PROTECTION, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE OWNER/ENGINEER, THE COST OF WHICH SHALL BE INCIDENTAL TO THE OVERALL CONTRACT PRICE.

DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

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#### COORDINATION WITH OTHER CONTRACTORS

OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ALL OTHER CONTRACTORS IN THE AREA.

**GENERAL NOTES** 

#### DOWN TIME DUE TO FIELD CONFLICTS

DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE ON, OR RESOLUTION TO AN ISSUE FROM THE OWNER AND/OR ENGINEER. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK. COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING "DOWNTIME" SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.

#### SAW CUTTING EXISTING PAVEMENT

ALL EXISTING PAVEMENT SHALL BE SAW CUT BEFORE REMOVAL TO OBTAIN A JNIFORM EDGE. THE COST OF SAW CUTTING AND PAVEMENT REMOVAL SHALL BE INCIDENTAL TO ITEM 203, EXCAVATION, AS PER PLAN.

#### **UTILITY NOTES**

- THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE. ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE UTILITY INFORMATION PROVIDED ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION.

WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT, THE OWNER SHALL NOTIFY ALL UTILITIES OF THE NAME, ADDRESS AND PHONE NUMBER OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE REGISTERED JNDERGROUND UTILITY PROTECTION SERVICE AND NON-MEMBER OWNERS OF THE STARTING DATE AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK. THE UTILITY SHALL MARK, STAKE OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND FACILITIES WITHIN 48 HOURS OF RECEIVING THE CONTRACTORS NOTICE OF A STARTING DATE. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

#### ELECTRIC DUKE ENERGY 139 E. FOURTH STREET ROOM 467, ANNEX CINCINNATI, OH 45201 513-287-2689

GREATER CINCINNATI 1600 GEST STREET CINCINNATI, OHIO 45204 513-557-7167

**DUKE ENERGY** 139 E. FOURTH STREET ROOM 460-A CINCINNATI, OH 45201 513-287-2762

### **TELEPHONE** ALTA FIBER

201 E. FOURTH STREET BLDG, 121-900 CINCINNATI, OHIO 45201 513-565-7043

GREATER CINCINNATI WATER WORKS 4747 SPRING GROVE AVENUE CINCINNATI, OHIO 45232 513-591-5007

METROPOLITAN SEWER DISTRICT OF

## STORM

**CABLE TV** 

CHARTER

513-386-5918

10920 KENWOOD ROAD

CINCINNATI, OHIO 45242

CITY OF SPRINGDALE PUBLIC WORKS 335 NORTHLAND BLVD CINCINNATI, OHIO 45246 513-346-5520

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE DWNFR / FNGINFFR

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE ETERMINED BY THE FIELD INSPECTOR DURING CONSTRUCTION.

### MANHOLES, CATCH BASINS AND INLETS

ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE STANDARD CONSTRUCTION DRAWINGS. ALL CASTINGS WHICH MIGHT BE SUBJECT TO VEHICLE TRAFFIC SHALL BE OF THE HEAVY DUTY GRADE. GRATED INLET TOPS SHALL BE PLACED AS SPECIFIED ON THE PLANS.

TOP OF CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE OWNER / ENGINEER. ALL MANHOLES WITHIN WALK AREA SHALL HAVE A FLAT FLUSH COVER. ALL CASTINGS USED SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE OWNER / ENGINEER. CONTRACTOR SHALL ENSURE ALL EXISTING MANHOLE LIDS ARE FREE OF ASPHALT MATERIAL AFTER PAVING AND ARE ABLE TO BE OPENED. IF ANY ASPHALT MATERIAL REMAINS ON THE LIDS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.

**STORM & SANITARY NOTES** 

#### **REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF SPRINGDALE, THE CONTRACTOR WITH THE OWNER AND ENGINEER OR FIELD INSPECTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN N SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CONTRACTOR.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.

#### CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE OWNER / ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE FIELD INSPECTOR'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

THIS ITEMS SHALL CONSIST OF INSTALLING A DRIVEWAY APRON PER THE PROVIDED DETAILS. THE UNIT SHALL INCLUDE EXCAVATION, COMPACTION, FORM WORK AND CONSTRUCTION JOINTING PER THE DETAIL.

A. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS AS DETERMINED BY THE OWNER AND ENGINEER, SHALL NOT BE

COST FOR ITEMS NOT SPECIFICALLY NOTED UNDER THE MAINTENANCE OF TRAFFIC NOTE REQUIRED TO REOPEN LANES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614 - MAINTENANCE OF TRAFFIC.

THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES

THE CONTRACTOR SHALL MAINTAIN TRAFFIC TO ALL ROADWAYS INTERSECTING THE CONSTRUCTION AREAS.

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL

#### THE CONTRACTOR SHALL NOTIFY AFFECTED BUSINESSES 48 HOURS IN ADVANCE BEFORE COMMENCING WORK.

TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY BUSINESS PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 96 HOURS). HOWEVER, ACCESS TO PROPERTIES FOR DELIVERIES. SERVICE, EMERGENCY VEHICLES. ETC., SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR MUST NOTIFY ALL BUSINESSES IN WRITING 48 HOURS **BEFORE** 

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE BUSINESS AND OWNER 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH

PRIOR TO BEGINNING WORK. THE CONTRACTOR, THE PROJECT ENGINEER. AND THE PUBLIC WORKS OFFICE WILL REVIEW AND RECORD ALLL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPE ITEMS WILL BE MADE CONFINE ALL ACTIVITIES, EQUIPMENT, STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS OR WITHIN THE ABOVE0NOTED LANDSCAPE AREAS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE CITY, AT THE CONTRACTOR'S COST.

#### SHALL BE AT THE APPROVAL OF THE OWNER AND ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

**MAINTENANCE OF TRAFFIC NOTES** 

IN ADDITION LANE CLOSURES ARE NOT ALLOWED OVERNIGHT. ANY

INCLUDING ANY NOISE RESTRICTIONS.

ACCEPTANCE OF THE PROJECT.

COMMENCING TO ALLOW THEM ADEQUATE TIME TO MOVE ANY VEHICLE IN

GIVE A COPY OF SAID WRITTEN NOTICE TO THE FIELD INSPECTOR AND WOULD INVOLVE ACCESS TO SAID PROPERTY.

#### PROTECTION OF RIGHT-OF-WAY LANDSCAPING

### ——— WAT ——— WAT ——— EXISTING WATER MAIN — WS — WS — WS — WS — EXISTING WATER SERVICE STM SEWER —— — RD — — RD — — RD — — RD — EXISTING ROOF DRAIN ——— SAN ——— SAN ——— SAN — EXISTING SANITARY SEWER ——— FM ——— FM ——— EXISTING SANITARY FORCE MAIN ——— FOC ——— FOC — EXISTING FIBER OPTICS — X — X — X — X — X — X — EXISTING FENCE ----- EXISTING CONTOURS (MAJOR) -----648-----648 (MINOR) EXISTING PROPERTY LINE — — — — — EXISTING EASEMENT EXISTING GUARDRAIL EXISTING TREE LINE GS GS GS GS GS PROPOSED GAS SERVICE ELEC-UG ELEC-OH EXISTING ELECTRIC (UNDERGROUND / OVERHEAD) CATV-UG CATV-OH PROPOSED CABLE (UNDERGROUND / OVERHEAD) TEL-UG TEL-UG TEL-OH PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD) WAT PROPOSED WATER MAIN — — UD — — UD — — UD — PROPOSED UNDERDRAIN ——— —— UD/DSC —— —— UD/DSC ——— PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO

EXISTING FLAGPOLE

EXISTING MAILBOX

EXISTING PULL BOX

EXISTING GROUND LIGHT

EXISTING ELECTRIC METER

EXISTING ELECTRIC MANHOLE

EXISTING LIGHT POLE

EXISTING GAS METER

EXISTING GAS VALVE

EXISTING GAS BOX

EXISTING UTILITY POLE

EXISTING GUY WIRE / ANCHOR

EXISTING SANITARY MANHOLE

EXISTING SANITARY CLEANOUT

EXISTING STORM MANHOLE

EXISTING CATCH BASIN

EXISTING FIRE HYDRANT

EXISTING STORM CLEANOUT

EXISTING TELEPHONE MANHOLE

EXISTING TELEPHONE PEDESTAL

EXISTING CABLE PEDESTAL

EXISTING ELECTRIC PEDESTAL

EXISTING SIGN

GAS PROPOSED GAS LINE

**SYMBOL LEGEND** 

PROPOSED STORM SEWER PROPOSED SANITARY SEWER

FOC PROPOSED FIBER OPTICS \_\_\_ x \_\_\_\_ x \_\_\_\_ x \_\_\_\_ x \_\_\_\_ x \_\_\_\_ x \_\_\_ x \_\_\_ PROPOSED FENCE ——648————————————————PROPOSED CONTOURS (MINOR)

FM PROPOSED SANITARY FORCE MAIN

PR. R/W PROPOSED RIGHT OF WAY — — — — — — PROPOSED EASEMENT

—————————————————————PROPOSED CONSTRUCTION EASEMENT . O O O O O O O PROPOSED GUARDRAIL PROPOSED TREE LINE / CLEARING LIMITS

---- PROPOSED DISTURBED LIMITS PROPOSED FLAGPOLE PROPOSED MAILBOX

> PROPOSED SIGN PROPOSED CABLE PEDESTAL PROPOSED ELECTRIC PEDESTAL

PROPOSED PULL BOX PROPOSED GROUND LIGHT PROPOSED LIGHT POLE

PROPOSED ELECTRIC METER PRPOSED ELECTRIC MANHOLE

PROPOSED GAS METER PROPOSED GAS VALVE

PROPOSED GAS BOX PROPOSED UTILITY POLE PROPOSED GUY WIRE / ANCHOR

> PROPOSED SANITARY MANHOLE PROPOSED SANITARY CLEANOUT

PROPOSED STORM MANHOLE PROPOSED SINGLE / DOUBLE CURB INLE EXISTING SINGLE / DOUBLE CURB INLET

PROPOSED CATCH BASIN PROPOSED STORM CLEANOUT PROPOSED TELEPHONE MANHOLE

PROPOSED TELEPHONE PEDESTAL PROPOSED FIRE HYDRANT PROPOSED WATER METER

EXISTING WATER METER PROPOSED WATER VALVE EXISTING WATER VALVE EXISTING WATER VALVE CHAMBER

EXISTING BUSHES / TREES

EXISTING SURVEY BENCHMARK

DCO

TEST BORING LOCATION

———— GAS ———— GAS — EXISTING GAS LINE ———— GS ———— GS ————— GS ———— EXISTING GAS SERVICE SHAWN RIGGS PE84714 TEL-OH — TEL-OH — EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)

REMOVE EXISTING BUSH / TREE

PROPOSED SLOPE DIRECTION

PROJECT NO: 231937 TTL

DRAWING NAME SHEET

### **MAINTENANCE OF TRAFFIC NOTES**

### TEM 614, MAINTAINING TRAFFIC

THE MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS AS SPECIFICATIONS, AND THESE PLANS. ANY VARIANCE FROM THESE REQUIREMENTS

RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.

LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING. ALL WORK ZONES SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM CONTROL DEVICES. THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING, TEMPORARY PAVEMENT. TEMPORARY PAVEMENT MARKINGS. AND TRAFFIC CONTROL MEASURES NECESSARY TO MAINTAIN TRAFFIC. THE COST OF ALL TEMPORARY TRAFFIC CONTROL ITEMS NECESSARY TO SAFELY MAINTAIN TRAFFIC SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.

B. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES, AND SHALL BE CONTROLLED WITH FLAGGERS AND TRAFFIC CONTROL DEVICES AS REQUIRED AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND ENGINEER.

INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", CURRENT EDITION, THE PROPOSAL, THE SHALL BE APPROVED IN ADVANCE BY THE ENGINEER IN WRITING.

SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS.

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

THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO

## ITEM 608- 5" (& 9") CONCRETE WALK

REPLACEMENT SEE DETAIL, SHEET 3.

SEE DETAIL, SHEET 3.

ITEM 452- 9" CONCRETE DRIVEWAY

**HATCH LEGEND** 

ITEM 659- SEEDING & MULCHING

ITEM 609- REMOVE SIDEWALK

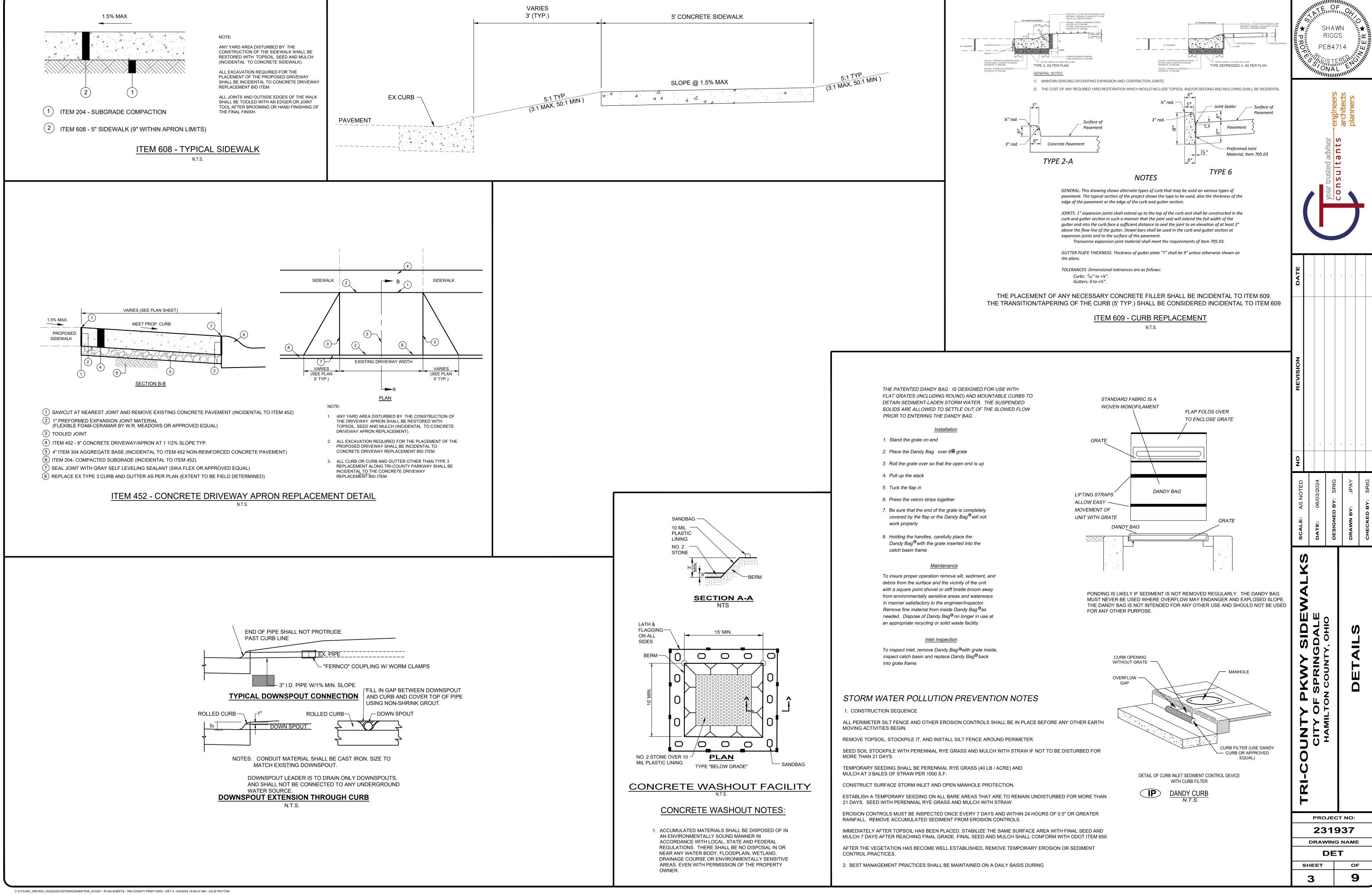
ITEM 659- SEEDING & MULCHING

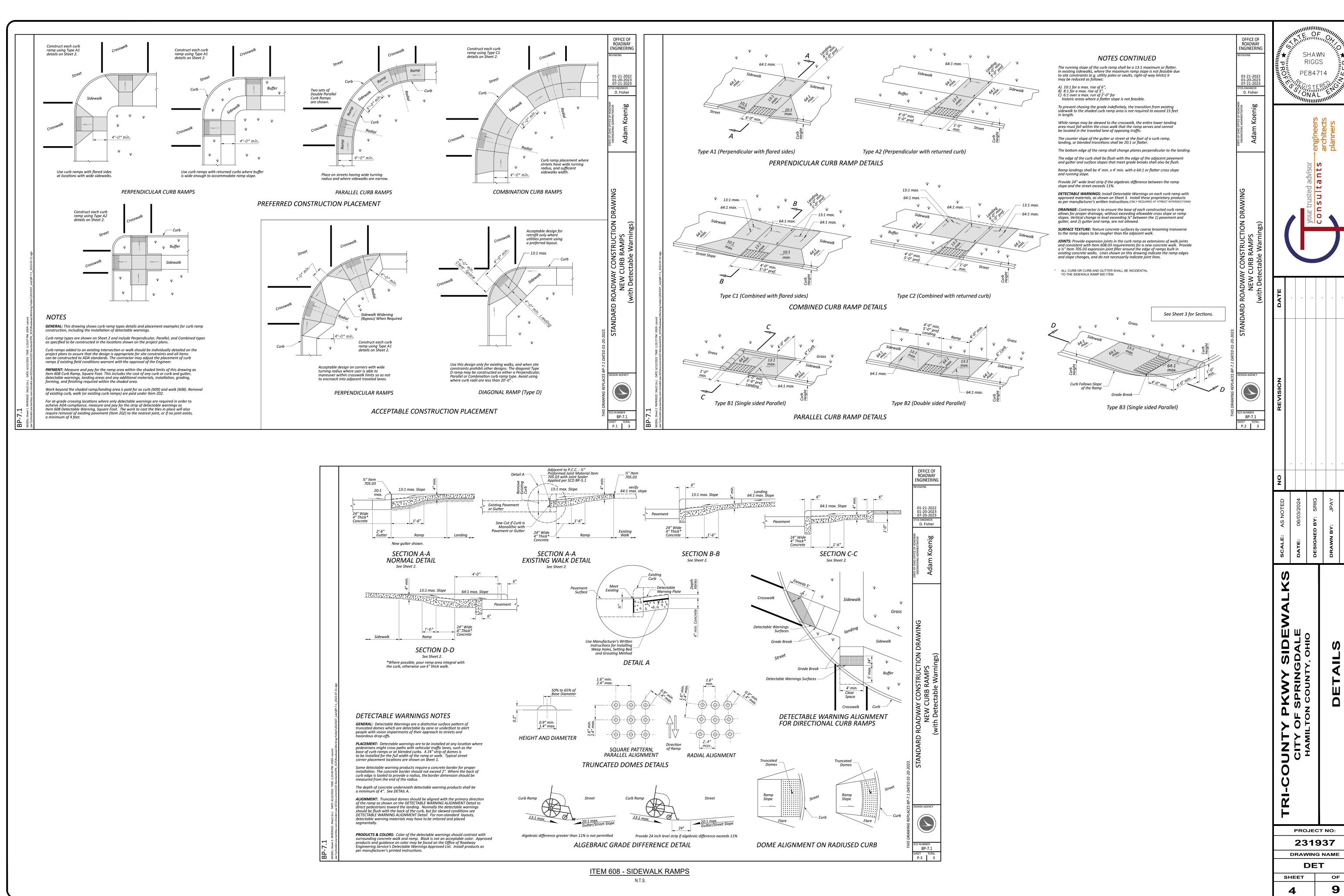
TEM 609- REMOVE PAVEMENT

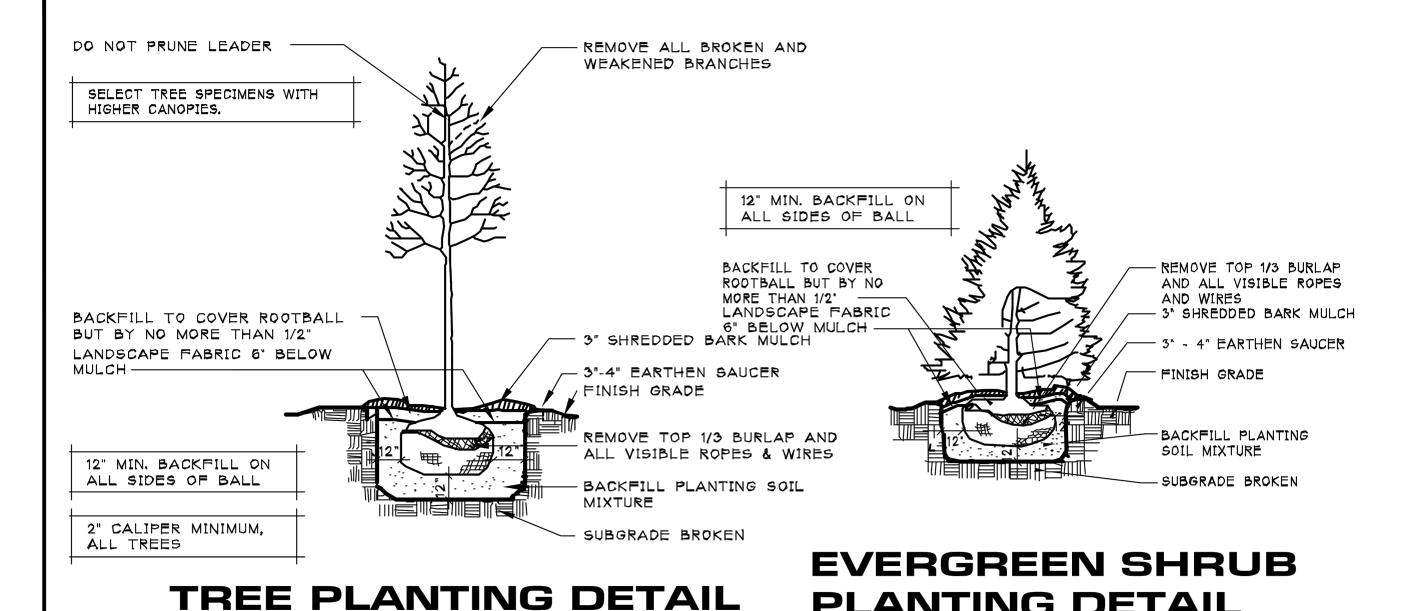
### **EROSION CONTROL LEGEND**

INLET PROTECTION (SEE DETAIL)

— — DISTURBANCE LIMITS







ITEM 608 - TREE PLANTING DETAILS

- C. UNDERGROUND UTILITIES: Contractor ensures that underground gas, electric, water, telephone, cable television, telecommunication and all other such utility lines are marked by respective agency or company after locating potential planting sites. Ohio Utility Protection
- D. TREE LOCATION ADJUSTMENT: After utilities have been located, a follow-up inspection is performed by Contractor and City to adjust locations and to obtain final counts of trees to be planted on each street.

Service (1-800-362-2764) handles gas, electric, telephone, water, and sanitary sewer.

- E. DELIVERY: Trees transported and hauled with adequate protection. Trees covered with tarpaulin during transit or transported in closed truck. City reserves the right to reject trees improperly shipped.
- F. TEMPORARY STORAGE: Root balls of trees not immediately planted after delivery to be adequately protected by mulch or heeling-in and watered until planting occurs. Contractor assumes all risk and expense of temporary storage. City reserves the right to reject trees improperly stored.
- G. PLANTING HOLES: Contractor to dig all holes in accordance with ANSI A300, Part 6 standards of the most recent publication for tree installation. Contractor shall make all holes safe until planted and covered with mulch. Augers may be used to start holes.
- H. PRECAUTIONS DURING DIGGING: When subsurface utilities are encountered, Contractor immediately calls 1) controlling agency or company; 2) City of Springdale (513-346-5520). Contractor, at his expense, restores to original condition all structures, facilities and other property damaged by his company's work.
- I. SURPLUS EXCAVATION: Removed and disposed of by Contractor at his expense.
- J. PLANTING: Trees placed at same depth as in nursery by finding the first order, main root and planting the trunk collar so it is level with the existing soil level per ANSI A300 Part 6, Planting and Transplanting. Trees with forked top oriented with forked limbs pointed parallel to street and not toward street. On days when temperatures fall below 30 degrees, planting
- K. ROOT PRUNING: Ends of broken or damaged roots over ¼ inch in diameter pruned with a clean cut, removing only injured portion.
- L. BACKFILL: Planting holes backfilled with shredded pulverized soil ground out from planting holes and mixed properly with plant watering aid. Backfill tamped with feet, rods of other approved tamping device as it is placed into hole.
- If soil is unsuitable for backfill, the City will supply up to 10 cubic yards of topsoil. If additional topsoil is needed, it will be at the contractor's expense.
- M. TOP PRUNING AND WOUND DRESSING: Pruning done to make trees shapely and typical of species. Pruning done according to recognized horticultural standards in accordance with ANSI A300 pruning procedures. Trees pruned to clear pedestrians and vehicles as much as possible. Accidental damage during planting not great enough to warrant branch removal or tree replacement is promptly traced according to recognized horticultural practices. No tree wound dressing issued. The use of an antisprouting product like "Maintain-A" may be required.

N. MULCHING: Shredded hardwood class A mulch is to be placed loosely around trees within 24 hours after planting to a uniform depth of six inches and a diameter of four feet where possible. Mulch shall not be placed directly on tree trunk.

PLANTING DETAIL

- O. EXTRA HOLES: Excess or improperly located planting holes are immediately backfilled then seeded with turf-type fescue and covered with two inches of straw, at Contractor's
- P. WATERING: Done thoroughly to settle backfill within 24 hours after all backfill is in place.
- Q. WRAPPING AND STAKING: Trees are not wrapped or staked unless specified by City during guarantee period.
- R. SUPERVISION: Contractor consults with City concerning details and scheduling of all work. Contractor has a competent person in charge of work at all times to whom the City may issue directions and who is authorized to accept and act upon such directives. This supervisor must fluently speak, read and write English. Supervisor must call City at 513-346-5520 at least 24 hours before each work day begins to provide work locations.
- S. PUBLIC RELATIONS: While on City of Springdale business only, Contractor may be required to fasten and display on each truck an 18" x 24" sign saying Springdale Urban Forestry Program. Information sheets to explain our program will be prepared by Springdale for distribution to interested passersby.

Substitutions are only allowed when the City agrees in writing. If a species or variety is used as a substitute, the per tree price paid by the City is the lowest of:

- A. The per tree price of the species or variety originally specified or bid on, or;
- B. The lowest bid for the substitute species of variety, if it is elsewhere in this contract.

CT Consultants, Inc.

#### CITY OF SPRINGDALE, OHIO TREE PLANTING SPECIFICATIONS

#### I. SCOPE OF WORK

To provide all supervision, material, labor, equipment, service, operations and expertise required to deliver, locate, plant and guarantee for one year, street trees in the City of Springdale, Ohio, as specified herein. Contractor has the responsibility to:

- A. Furnish, transport and plant trees.
- B. Reserve work space along streets.
- C. Locate tree planting sites.
- D. Excavate in-place soil, plant trees, backfill and water.
- E. Furnish and place mulch.
- F. Remove excess material and clean up site.
- G. Guarantee trees for one year and make appropriate replacement planting.
- H. Keep work site safe at all times.
- I. Any work incidental to above.
- II. DEFINITIONS

CT Consultants, Inc.

VI. INSPECTIONS

[Section 6(F)] is made.

Works Inspector.

work acceptable.

scheduled day.

without notice.

from the date the replacement tree is planted.

VII. GUARANTEE

VIII. REJECTION

IX. PAYMENTS

temporarily stored trees.

- A. REFERENCE: Reference to any other specifications or standards means the latest revision in effect on date of invitation to bid. This set of specifications governs when disagreement with a reference specification occurs.
- B. SPECIFIED: Means specified in the invitation to bid and/or order or contract.
- C. A.A.N. STANDARDS: Nursery stock standards of American Association of Nurserymen and published as A.N.S.I. Z60.1. By this reference, these standards are made an official part of this contract.
- D. CITY: City of Springdale, Ohio. Contact City Public Works Director at 513-346-5520.
- E. CONTRACTOR: A company that earns the majority of its annual revenue from planting or maintaining trees and/or shrubbery and whose experience and expertise in tree planting can be verified by references.
- MATERIALS SPECIFICATIONS: Mention of any product name neither constitutes an endorsement of that product nor excludes the use of similar products meeting specifications.

A. NURSERY INSPECTION: City, at its direction, may inspect and tag nursery stock

B. AGENCY INSPECTION: Federal, State and other authorities inspect all trees before

C. PLANTING INSPECTION: City, at its discretion, inspects planting operations or

D. GUARANTEE PERIOD INSPECTION: The City inspects planting work to verify

completion and begin guarantee period. Contractor requests this inspection in writing at least

ten days before its schedule date. After inspection, City notifies Contractor in writing of date

of beginning of guarantee period or of deficiencies to correct before guarantee period begins.

inspects work and notifies Contractor of replacements and other corrections required to make

acceptance. Contractor requests this inspection in writing at least ten days before its

or the Small Business Administration reserves the right to inspect on-site work at any time

E. CORRECTION INSPECTION: Two months before end of guarantee period, the City

F. FINAL INSPECTION: At end of guarantee period, the City inspects trees to determine final

G. OTHER INSPECTIONS: The City of Springdale, Ohio Department of Natural Resources,

Contractor guarantees that all plants remain alive and healthy until the end of a one (1) year guarantee period. During the guarantee period, Contractor immediately removes, then replaces

during the next appropriate planting season, as specified and at his expense, any dead trees and

any trees that, in the opinion of the City, have become unhealthy or unsightly or have lost their

natural shape due to dead branches, improper pruning or maintenance or any other cause due to

the Contractor's negligence, or weather conditions. Contractor straightens guys, if necessary,

and leaning trees, bearing the entire cost. Guy wires, stakes and wrapping removed by Contractor

after the next growing season. Each replacement tree is guaranteed in a like manner for one year

purchased under this contract before digging. Tags remain on trees until final inspection

removal from nursery, as required by local law. Required certificates declaring trees free of

all diseases and insects accompany each order or shipment of trees and are given to Public

- A. NURSERY STOCK: All trees healthy, vigorous and well grown, showing evidence of proper root and top pruning, single trunk, high branched (approximately 6' or more) specimens suitable for use along streets. Lower branched trees that have been recently pruned to the appropriate height may be rejected by the City. The tree caliper shall be between 1 ½" and 2 ½" effort shall be given to obtain the largest caliper possible. All trees grown at least one vear in a currently active nursery having the similar climatic conditions as the City of Springdale. All plants meet ANSI Z60 for top grade. Park grade trees are not acceptable. Label attached to each tree at nursery indicating botanical name and common name. City has final approval of species or variety used and nursery which trees are obtained. Tags remain on trees for one year.
- B. ROOT BALLS AND BURLAP: All trees balled and burlapped. Ball shape and size conform to ANSI Z60 Standards. Only rottable burlap and rottable rope permitted. Root balls adequately protected at all times from sun, heat, freezing and drying. City will reject any cracked or manufactured root balls. Container stock is acceptable if it conforms to A.A.N. Standards and equals in size 1 ½" or 2 ½" caliper B & B material.
- C. MULCH: Shredded hardwood mulch provided by Contractor.
- D. PLANT WATERING AID: Supersorb C, Hydro-gel A1000 or TerraSorb or equivalent shall be incorporated as per label direction into all backfill. Contractor to provide copy of label and manufacturer's instructions for use for product chosen at the time the list of nursery suppliers is submitted to the City.

#### IV. WORK PROCEDURES

- A. SOURCE OF SUPPLY: Not less than 30 days before planting begins, Contractor submits in writing to City complete detailed information concerning source of supply for each item of plant material specified in the planting list. Plant watering aid information [Section III(D)] to be submitted at this time.
- B. TREE LOCATION: Before nursery orders are finalized, City lays out locations of all planting holes with suitable marks with the Contractor.

CT Consultants, Inc. may vary from estimated quantities. Eight percent of each invoice may be held until Contractor's

work is completed to the satisfaction of the City.

Each entry (street name, estimated number of trees and species) within each section is considered a separate item. The City reserves the right to delete any item or items because of inability to obtain specified trees or other reasonable cause. Each item is on a more or less basis, since field conditions may allow planting of more or fewer trees than the estimated number specified. A price per tree is to be quoted for each item, and the Contractor will be paid at this rate for each tree actually planted.

### **SUBSTITUTIONS**

All prices quoted on the main bidding sheet must be based on furnishing the materials specified herein without substitutions, to permit proper comparison of bids.

Bidders may offer substitutions of the material specified herein provided this bidder adheres to the following:

- A. List all proposed substitutions on the Substitution Sheet included in the bid package indicating any addition or deduction to the price quoted on the main bid sheet as applicable.
- B. Furnish complete specifications and descriptions of the substitute material proposed.

Substitutions will be given full consideration by the City. The Contractor may furnish only those substitute items included in his bid and approved by the City.

If no substitutions are indicated on the Substitution Sheet, or it substitutions offered are not approved by the City, the Contractor shall furnish the material specified in the attached specifications.

No additional substitutions will be permitted after the award of the contract.

If a substitution creates any additional costs for the City, such additional costs shall be borne by the Contractor offering the substitute.

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rusted advisor sultants

CT Consultants, Inc. 63

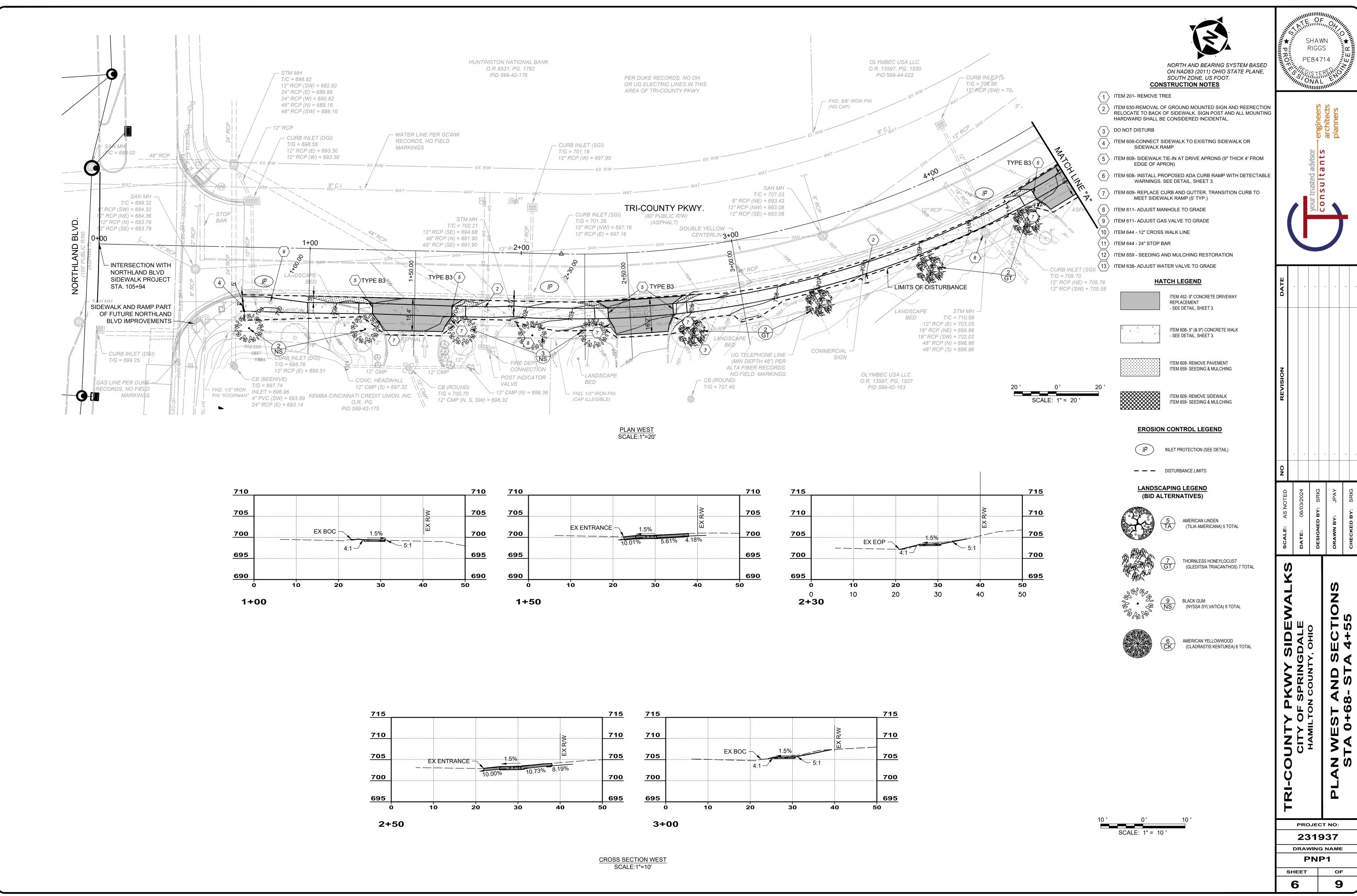
Partial billings are acceptable, not more frequently than every 30 days. Payment is made according to actual number of trees properly planted, watered and mulched, since these totals

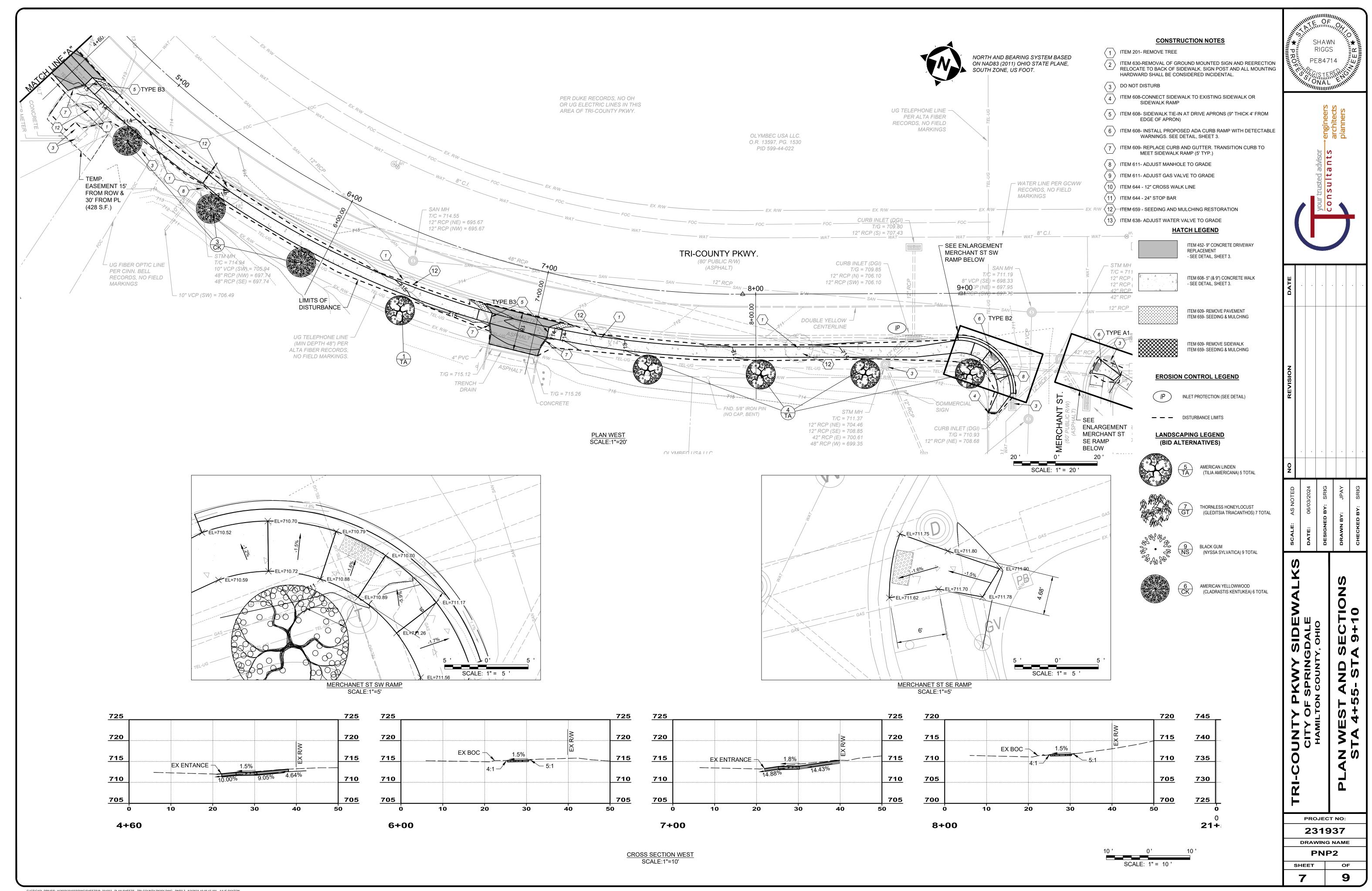
CT Consultants, Inc.

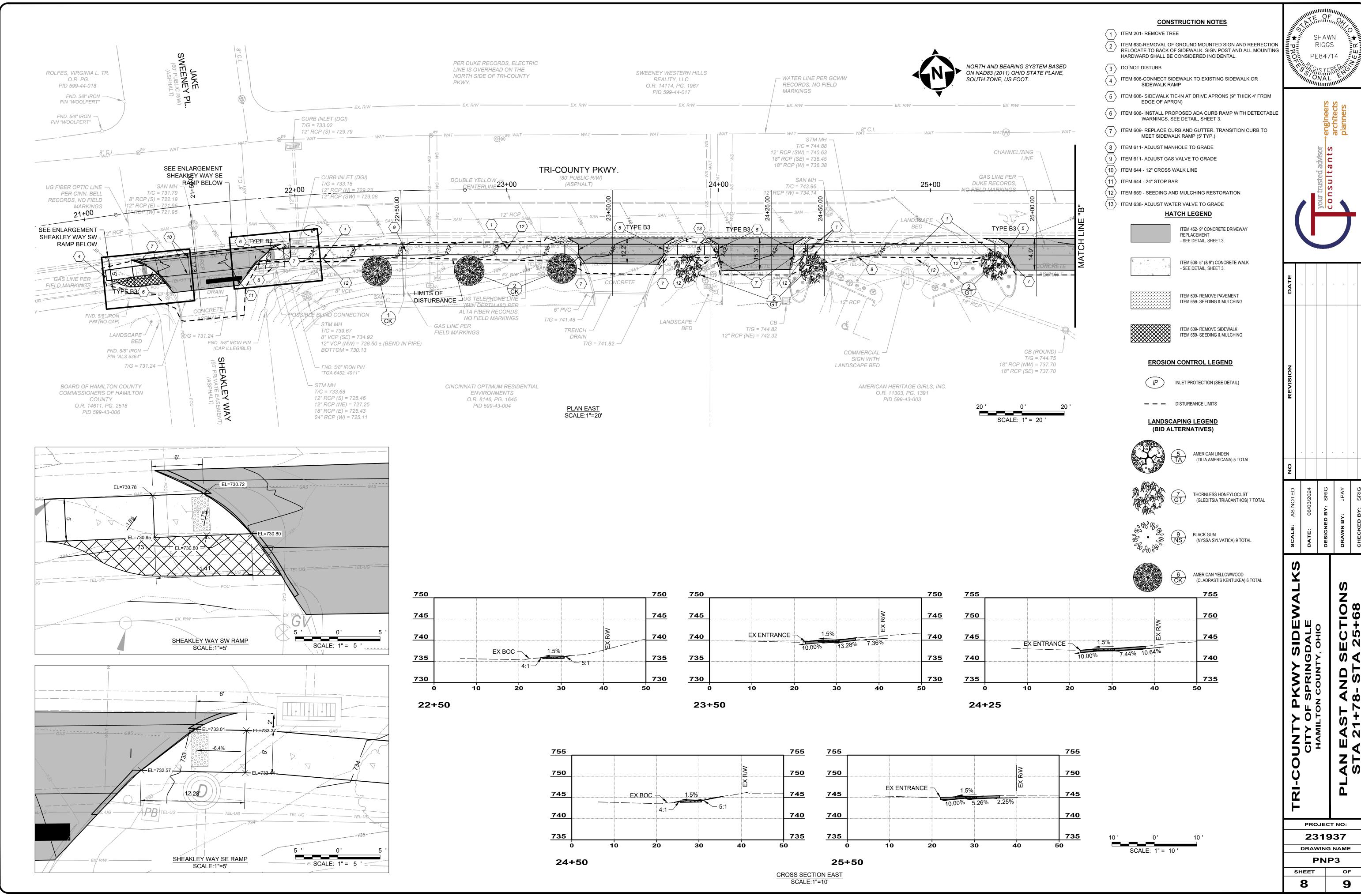
The Contractor, at his own expense, disposes of any tree rejected by the City.

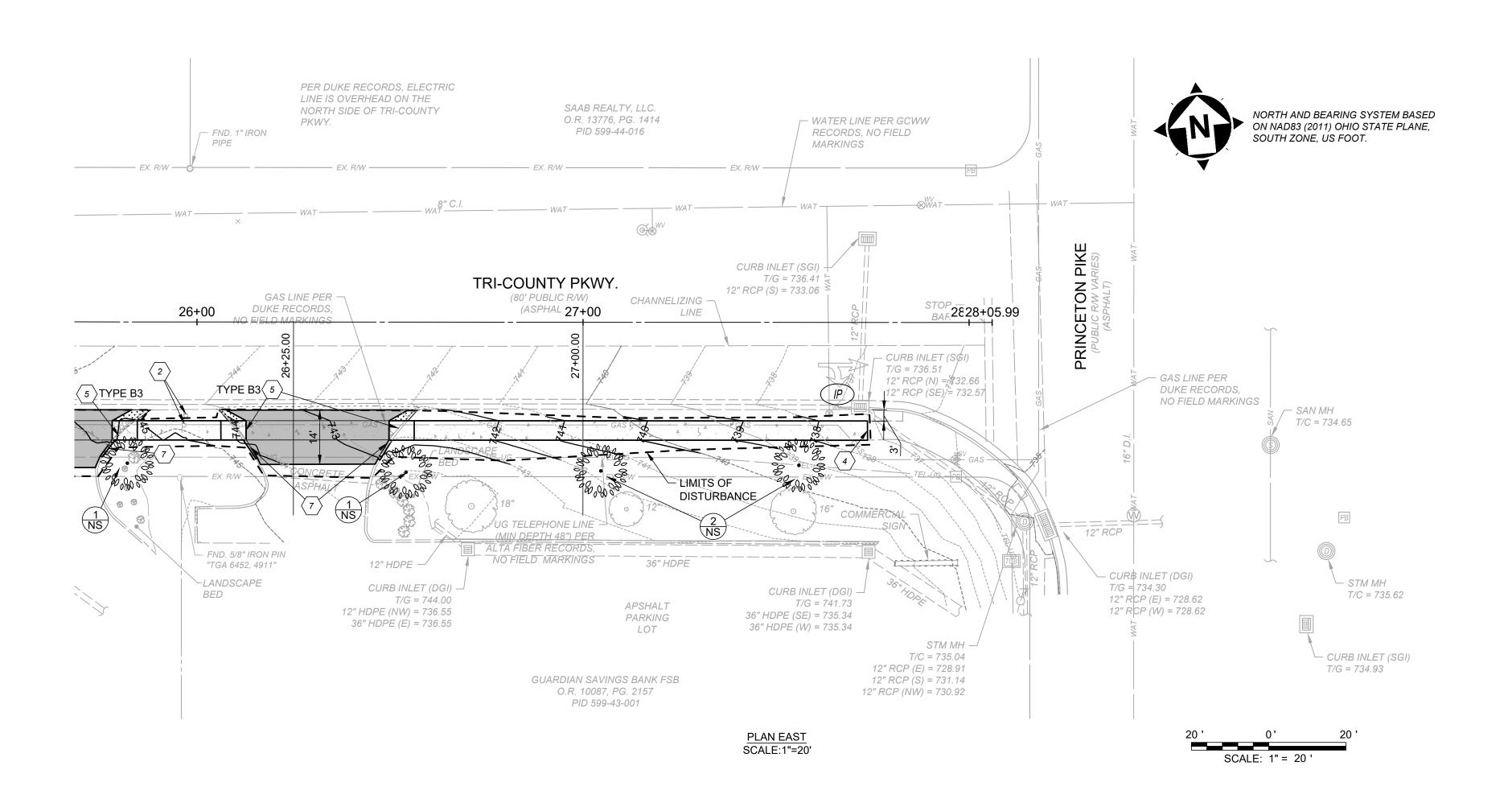
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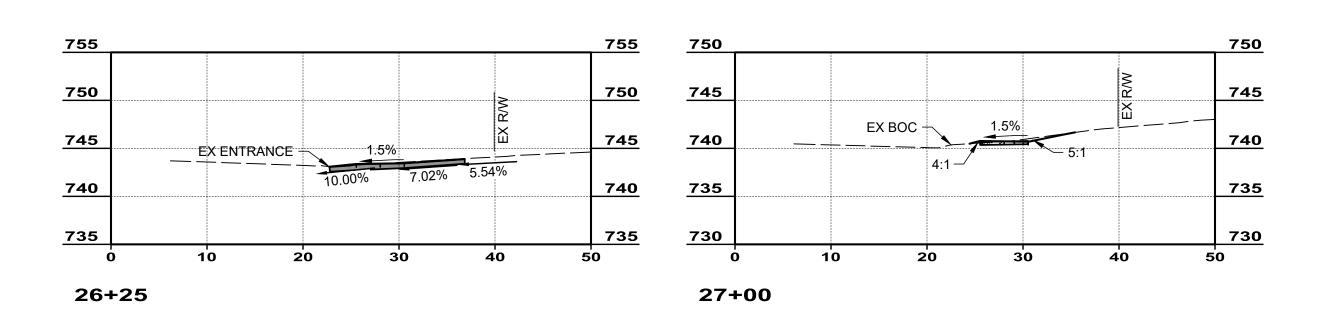
CT Consultants, Inc.



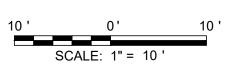








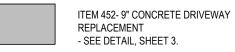
CROSS SECTION EAST SCALE:1"=10'



#### **CONSTRUCTION NOTES**

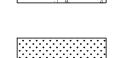
- 1 ITEM 201- REMOVE TREE
- ITEM 630-REMOVAL OF GROUND MOUNTED SIGN AND REERECTION RELOCATE TO BACK OF SIDEWALK. SIGN POST AND ALL MOUNTING HARDWARD SHALL BE CONSIDERED INCIDENTAL.
- $\langle 3 \rangle$  DO NOT DISTURB
- 4 ITEM 608-CONNECT SIDEWALK TO EXISTING SIDEWALK OR SIDEWALK RAMP
- 5 ITEM 608- SIDEWALK TIE-IN AT DRIVE APRONS (9" THICK 4' FROM EDGE OF APRON)
- 6 ITEM 608- INSTALL PROPOSED ADA CURB RAMP WITH DETECTABLE WARNINGS. SEE DETAIL, SHEET 3.
- 7 ITEM 609- REPLACE CURB AND GUTTER. TRANSITION CURB TO MEET SIDEWALK RAMP (5' TYP.)
- 8 ITEM 611- ADJUST MANHOLE TO GRADE
- $\langle 9 \rangle$  ITEM 611- ADJUST GAS VALVE TO GRADE
- (10) ITEM 644 12" CROSS WALK LINE
- $\langle 11 \rangle$  ITEM 644 24" STOP BAR
- (12) ITEM 659 SEEDING AND MULCHING RESTORATION
- $\langle 13 \rangle$  ITEM 638- ADJUST WATER VALVE TO GRADE

#### **HATCH LEGEND**





ITEM 608- 5" (& 9") CONCRETE WALK - SEE DETAIL, SHEET 3.



ITEM 609- REMOVE PAVEMENT ITEM 659- SEEDING & MULCHING



ITEM 609- REMOVE SIDEWALK ITEM 659- SEEDING & MULCHING

#### **EROSION CONTROL LEGEND**



INLET PROTECTION (SEE DETAIL)

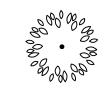
— — DISTURBANCE LIMITS

#### LANDSCAPING LEGEND (BID ALTERNATIVES)





THORNLESS HONEYLOCUST (GLEDITSIA TRIACANTHOS) 7 TOTAL



BLACK GUM (NYSSA SYLVATICA) 9 TOTAL



AMERICAN YELLOWWOOD (CLADRASTIS KENTUKEA) 6 TOTAL

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DATE	•								
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ON				_					
SCALE: AS NOTED		<b>DATE:</b> 06/03/2024	DESIGNED BY: SRIG		DRAWN BY: JPAY		CHECKED BY: SRIG		
TOI COUNTY SIDEWALKS	TRI-COUNTY PKWY SIDEWALKS CITY OF SPRINGDALE HAMILTON COUNTY, OHIO				PLAN EAST AND SECTIONS	CT+C 02+10	C1+17-00+C7 H I C		

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DRAWING NAME PNP4

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SHEET

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