ADDENDUM No. 3



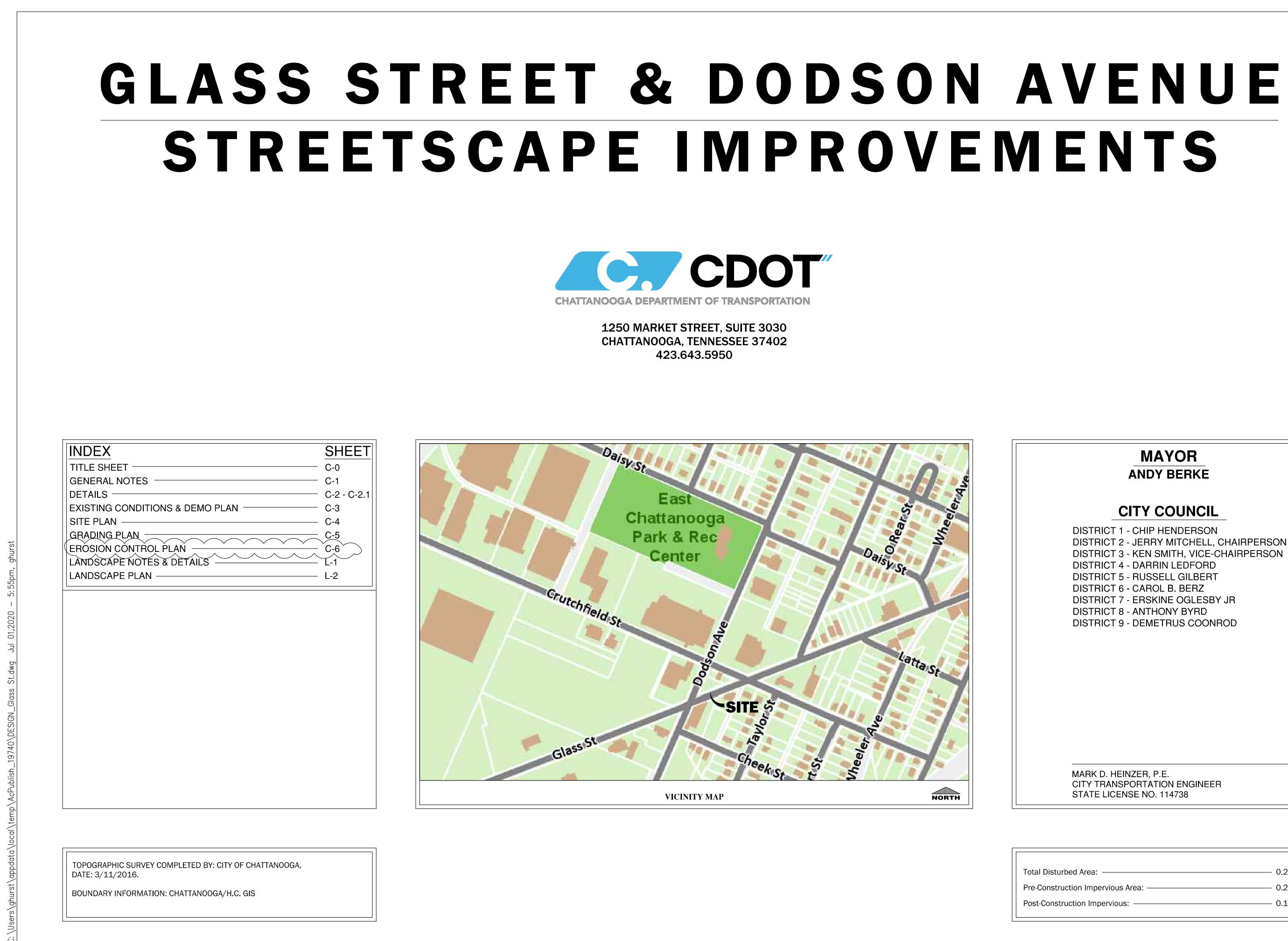
Area 3 Streetscape: Glass and Dodson

Contract Number: T-20-012

Chattanooga Department of Transportation

Attachments

- **1.** Full size plan set with LDO revisions with items of note:
 - **a.** Added ESPC detail to C2.1
 - **b.** Added Erosion Control Plan on Sheet C6
- **2.** Revised bid tab with items of note
 - **a.** Increased quantity of Item 98-A with revised description
 - **b.** Revised item MISC-C to be 18" Root Barrier per LDO comments





Total Dis Pre-Con Post-Cor

MAYOR **ANDY BERKE**

CITY COUNCIL

DISTRICT 1 - CHIP HENDERSON
DISTRICT 2 - JERRY MITCHELL, CHAIRPERSON
DISTRICT 3 - KEN SMITH, VICE-CHAIRPERSON
DISTRICT 4 - DARRIN LEDFORD
DISTRICT 5 - RUSSELL GILBERT
DISTRICT 6 - CAROL B. BERZ
DISTRICT 7 - ERSKINE OGLESBY JR
DISTRICT 8 - ANTHONY BYRD
DISTRICT 9 - DEMETRUS COONROD

MARK D. HEINZER, P.E. CITY TRANSPORTATION ENGINEER STATE LICENSE NO. 114738

DATE

Disturbed Area: 0	.22 acres
onstruction Impervious Area: 0	.22 acres
Construction Impervious: 0	.14 acres





GRADING AND EXCAVATION

1. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE PROPER AGENCIES BEFORE BEGINNING CONSTRUCTION. UNDERGROUND UTILITIES ARE NOT FIELD LOCATED NOR ARE ALL PURPORTED TO BE SHOWN. INFORMATION SHOWN SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT ALL UTILITY COMPANIES TO HAVE UTILITIES FIELD LOCATED AND VERIFIED BEFORE EXCAVATION OR DEMOLITION WORK BEGINS.

2. THE CONTRACTOR SHALL PERFORM ALL NECESSARY STRIPPING OF EXISTING TOPSOIL ON THE JOBSITE.

REMOVE AND REPLACE UNSUITABLE AREAS WITH SUITABLE MATERIAL. FILL MATERIAL SHALL BE FREE OF ORGANIC, AND OTHER DELETERIOUS MATERIALS.

4. ALL FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS OF NO MORE THAN 8 INCHES AND COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR DENSITY (ASTM D698).

WHEN SPECIFIED GRADING REQUIREMENTS ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL GRADE ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION, OR OTHERWISE DISTURBED BY CONSTRUCTION, TO DRAIN AND TO MATCH THE EXISTING, ADJACENT GROUND.

6. ON THE PROJECT, NEWLY GRADED, EARTH AREAS NOT TO BE PAVED, RIP-RAPPED, OR STABILIZED, SHALL BE SEEDED IN ACCORDANCE WITH THE CITY SPECIFICATIONS. PRIOR TO SEEDING, A THREE-INCH (3") LAYER OF TOPSOIL SHALL BE PLACED ON THESE AREAS IN ACCORDANCE WITH SAID SPECIFICATIONS.

7. EXCAVATION ADJACENT TO EXISTING PAVEMENT SHALL BE MADE TO A SAW CUT TO GET A NEAT LINE.

EROSION/POLLUTION CONTROL

THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND WATER POLLUTION THROUGH THE CONSTRUCTION PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EARTH MOVING OPERATIONS BEGIN. CLEARING AND GRUBBING SHALL BE HELD TO A MINIMUM WIDTH NECESSARY TO ACCOMMODATE THE REQUIRED GRADING. EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE EROSION. SILT FENCE AND/OR SILT SOCKS SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, AND IN OTHER AREAS WHERE EROSION IS A PROBLEM AND SILT-LADEN RUNOFF MAY ENTER A STREAM OR ADJACENT PROPERTY.

2. ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT'S ENTERING STREAMS. NO EXCAVATED MATERIAL SHALL BE DISCHARGED INTO DITCHES. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION, APPROVED BY THE ENGINEER, ABOVE THE NORMAL HIGH WATER ELEVATION.

THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL EROSION CONTROL PROVISIONS AS SET FORTH IN THE <u>BEST MANAGEMENT PRACTICES MANUAL</u> AVAILABLE FROM THE STORMWATER MANAGEMENT DIVISION OF THE CITY OF CHATTANOOGA DEPARTMENT OF PUBLIC WORKS. REFER TO CITY ORDINANCE 12900.

WITHIN THE UNIT PRICE FOR EACH EROSION CONTROL ITEM, THE CONTRACTOR IS EXPECTED TO MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE LENGTH OF THE CONTRACT AS REQUIRED.

5. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION AND WATER CONTROL MEASURES (SUCH AS BERMS, SEDIMENT BASINS, SLOPE DRAINS, HAY BALES, AND SILT FENCES) AS DIRECTED BY THE ENGINEER. THESE TEMPORARY MEASURES SHALL BE COORDINATED WITH THE PERMANENT EROSION CONTROL FEATURES TO ASSURE ECONOMICAL, EFFECTIVE, AND CONTINUOUS EROSION CONTROL THROUGHOUT THE PROJECT.

TO CONSTRUCT COFFERDAMS. CLEAN CUT ROCK WITH FINES MAY BE USED, OR, IN THE CASE OF COFFERDAMS, STEEL SHEETING IS PERMISSIBLE. WATER OR SEDIMENT ISOLATED BY COFFERDAMS OR DISPLACED FOOTINGS SHALL BE PUMPED INTO SEDIMENT BASINS ON THE BANK OF THE STREAM. ALL COSTS OF TEMPORARY POLLUTION CONTROL SHALL BE INCLUDED IN THE LUMP SUM BID.

<u>DRAINAGE</u>

COSTS OF EXCAVATION FOR CURB INLETS, MANHOLES, PIPE CULVERTS, AND OTHER STRUCTURES SHALL BE INCLUDED IN THE UNIT PRICE COST OF THE ITEM.

THE CONTRACTOR IS REQUIRED TO CONNECT ALL EXISTING STORM DRAINAGE PIPE TO PROPOSED DRAINAGE STRUCTURES AS REQUIRED. THE COST IS TO BE INCLUDED IN OTHER ITEMS OF CONSTRUCTION.

EXISTING DOWN SPOUT DRAINAGE THAT IS CONNECTED TO THE PRESENT STORM SEWER SYSTEM SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM. THE COST IS TO BE INCLUDED IN OTHER ITEMS OF CONSTRUCTION.

4. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL BEDDING & BACKFILL FOR STORM SEWERS WITH MATERIAL IN ACCORDANCE WITH THE CITY OF CHATTANOOGA'S STANDARD DRAWINGS AND SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

5. REMOVAL OF EXISTING DRAINAGE STRUCTURES IN THIS CONTRACT SHALL BE CONSIDERED INCIDENTAL, THEREFORE NO SEPARATE PAYMENT SHALL BE MADE UNLESS STATED OTHERWISE. COMPENSATION SHALL BE INCLUDED IN THE CONTRACT PRICES FOR OTHER ITEMS UNLESS STATED OTHERWISE.

6. THE COST OF CONNECTING THE PROPOSED STORM SEWERS TO THE PROPOSED STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER PIPE, WHETHER CONNECTION IS TO A CATCH BASIN, CURB INLET, OR MANHOLE, OR TO ANOTHER STORM SEWER PIPE.

<u>UTILITIES</u>

LOCATIONS OF UTILITIES, PUBLIC AND/OR PRIVATE, ARE APPROXIMATE ONLY, AND THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. IT IS POSSIBLE THAT SOME EXISTING FACILITIES ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITY FACILITIES LOCATED AND MARKED PRIOR TO THE BEGINNING OF CONSTRUCTION.

UTILITY OWNERS ARE TO RESET, RELAY, OR ADJUST, AT THEIR OWN EXPENSE, POWER AND TELEPHONE LINES. POWER POLES. WATER AND GAS LINES. AND ALL OTHER FACILITIES INCLUDING METERS, VALVES, PITS, ETC., CONFLICTING WITH THE PROPOSED IMPROVEMENTS WITHIN THE EXISTING RIGHT-OF-WAY. ALL RELOCATED POLES, METERS, VALVES, ETC., ARE TO BE LOCATED AS NECESSARY AND AS DIRECTED BY THE OWNER.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITY OWNERS PRIOR TO SUBMITTING HIS BID SO THAT HE MAY DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS SHALL HAVE UPON THE SCHEDULING OF WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT SHALL REMAIN IN PLACE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY UTILITY ADJUSTMENTS.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL FIELD 19. ALL CONCRETE SHALL BE CLASS "A" (4,000 P.S.I.) UNLESS OTHERWISE NOTED ON THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY OWNERS PRIOR TO LAYOUTS, APPROVED BY THE ENGINEER, FOR THE ROADWAY, DRAINAGE STRUCTURES, AND DRAWING OR CITY STANDARD DETAILS. (CLASS "B" CONCRETE SHALL BE 3,000 P.S.I.). INTERRUPTING ANY GAS, WATER, OR SEWER SERVICES. THE CONTRACTOR SHALL ALSO OTHER FACILITIES. ALL FINISHED GRADE ELEVATIONS AND LAYOUT SHALL BE SET USING A NOTIFY AFFECTED UTILITY CUSTOMERS AT LEAST 24 HOURS BEFORE INTERRUPTING THE HUB AND TACK AND/OR PK NAILS, AS DETERMINED BY FIELD CONDITIONS. 20. THE CONTRACTOR SHALL PROVIDE CUT SHEETS FOR ALL STORMWATER AND/OR CUSTOMERS' SERVICE. WHERE INDIVIDUAL SERVICES ARE TO BE DISCONTINUED FOR MORE SANITARY SEWER INSTALLED PRIOR TO INSTALLATION. THAN 4 HOURS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR PROVIDING TEMPORARY 4. SHOULD AN EXISTING BENCH MARK BE LOCATED ON A POWER POLE, TELEPHONE POLE, SERVICE SATISFACTORY TO THE AFFECTED CUSTOMER. THE REPAIR OR REPLACEMENT OF ETC., THAT IS TO BE RELOCATED DURING CONSTRUCTION, THE BENCH MARK SHALL BE **TRANSPORTATION NOTES** UTILITY COMPONENTS SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF THE UTILITY RELOCATED BY A CITY CREW PRIOR TO CONSTRUCTION. OWNER. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ACTIVITIES, AND COMPENSATION, THEREFORE, SHALL BE INCLUDED IN THE CONTRACT PRICES FOR OTHER ITEMS. ALL SALVAGEABLE MATERIAL FROM EXISTING PIPING AND STRUCTURES SHALL REMAIN

DELIVERED TO THE OWNER AT A LOCATION DESIGNATED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE ALL UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER OR THROUGH TESTING, IS CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL. PAYMENT SHALL BE BASED ON UTILITIES FROM DAMAGE AND FROM FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN A CUBIC YARD QUANTITY. THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

ANY EXISTING STORM OR SANITARY SEWER DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AS RAPIDLY AS POSSIBLE AND THEN BE INSPECTED BY ITS RESPECTIVE OWNER. THE ENGINEER SHALL DETERMINE IF DAMAGE IS THE RESULT OF THE CONTRACTOR'S NEGLIGENCE OR OF AN UNAVOIDABLE CAUSE.

THE COST OF EXTENDING ALL 4" DIAMETER PVC SEWER LATERALS SHALL BE FOR COMPLETE, IN-PLACE WORK AND SHALL INCLUDE ALL INCIDENTAL COSTS. AREAS WHERE THE EXTENSIONS ARE TO OCCUR SHALL BE DETERMINED BY THE ENGINEER.

ALL CUTS AND FILLS ARE TO BE IN PLACE AND COMPACTED PRIOR TO INSTALLATION OF SANITARY AND STORM SEWERS AND APPURTENANCES.

ALL SANITARY SEWER CONSTRUCTION MUST BE DONE BY A LICENSED MUNICIPAL UTILITY CONTRACTOR- CLASSIFICATION MU.

10. TRANSITION JOINTS ON SANITARY SEWER PIPES OF DIFFERENT MATERIALS MUST BE APPROVED BY THE JURISDICTIONAL ENGINEER AND CONSTRUCTION MUST BE DONE WITH APPROVED FITTINGS AND/OR ADAPTERS. <u>TRAFFIC</u>

UPON NOTICE OF AWARD OF A CITY CONTRACT, THE CONTRACTOR SHALL SUBMIT, 1. WITHIN TEN (10) DAYS, A CONSTRUCTION SCHEDULE. THE CITY OF CHATTANOOGA'S TRANSPORTATION DEPARTMENT SHALL PROVIDE A WORK ZONE TRAFFIC CONTROL PLAN WITHIN FIVE (7) DAYS THEREAFTER.

2. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN TRAFFIC AND PROVIDE TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL TRAFFIC SIGNS AND MARKINGS AS REQUIRED BY THE MUTCD AND THE CITY OF CHATTANOOGA'S DEPARTMENT OF TRANSPORTATION.

3. PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE PLACED BY CONTRACTOR.

4. THE CONTRACTOR SHALL MAINTAIN ALL BUSINESS, VEHICULAR, AND PEDESTRIAN ENTRANCES.

THE CONTRACTOR SHALL PROVIDE A PEDESTRIAN WALKWAY THAT SEPARATES AND 15. THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS ONE WEEK'S NOTICE INSULATES THE PEDESTRIAN FROM THE CONSTRUCTION SITE AND VEHICULAR TRAFFIC. PRIOR TO CUTTING FENCES. WHERE POSSIBLE, THE WALKWAY SHALL BE ON THE SAME SIDE OF THE STREET AS THE CONSTRUCTION SITE. WHERE OVERHEAD DANGER EXISTS, THE CONTRACTOR SHALL PROVIDE 16. WHEN REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE RECORD A COVERED WALKWAY.

PRIOR TO CLOSING THE ROAD TO THROUGH TRAFFIC, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED LOCAL AGENCIES ABOUT THE PROPOSED ROAD CLOSURE. THOSE TO BE NO EARTH OR OTHER ERODIBLE MATERIAL SHALL BE USED TO DIVERT STREAM FLOW OR CONTACTED SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: FIRE DEPARTMENT, A COMPLETE SET OF SAID DRAWINGS. POLICE DEPARTMENT. SHERIFF'S DEPARTMENT. POST OFFICE. CITY TRANSPORTATION ENGINEER'S OFFICE, AND THE BOARD OF EDUCATION.

> 7. THE CONTRACTOR, WHEN DIRECTED BY THE CITY TRANSPORTATION DEPARTMENT, SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE PREDOMINATE TRAVEL PATH. <u>DRIVEWAYS</u>

WHEN A CONCRETE CURB OR CURB AND GUTTER IS BUILT, THE CONTRACTOR SHALL INSTALL A DROP CURB FOR EACH LOT AT A LOCATION CHOSEN BY THE ENGINEER. A DOWNTOWN LOT SHALL BE EXEMPT WHEN A BUILDING EXISTS ACROSS THE PROPERTY FRONTAGE OR IS PLANNED TO BE CONSTRUCTED ACROSS THE FRONTAGE.

EXISTING, PAVED DRIVEWAYS SHALL BE REPLACED IN KIND TO THE TIE-IN POINT. EACH EXISTING, UNPAVED DRIVEWAY SHALL RECEIVE A FIVE FEET CONCRETE PAD BEHIND, AND ADJACENT TO, THE DRIVEWAY APRON OR BACK CURB LINE AS APPLICABLE AND THEN BE CONTRACTOR WILL IMMEDIATELY BACKFILL THE CUT WITH SOIL, AVOIDING ANY AIR POCKETS. REPLACED IN KIND FROM THERE TO THE TIE-IN POINT.

MISCELLANEOUS

CONSTRUCTION.

THE OWNER MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHOULD SATISFY HIMSELF BY ON-SITE INSPECTIONS, CORE DRILLINGS, OR OTHER METHODS, OF THE SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED. THE RISK OF ENCOUNTERING AND CORRECTING UNFAVORABLE SUBSURFACE CONDITIONS SHALL BE BORNE SOLELY BY THE CONTRACTOR.

UTILITY OWNERS								
UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE	
TRAFFIC SIGNAL	CHATTANOOGA DEPARTMENT OF TRANSPORTATION	423-643-5950	TOMMY TROTTER	1250 MARKET ST, STE. 3000	CHATTANOOGA	TN	37402	
TELEPHONE	BELLSOUTH dba AT&T	423-266-5962	STEVE McCORMICK	300 E. M.L.K. BOULEVARD	CHATTANOOGA	TN	37403	
TELECOM	ZAYO	423-903-5967	TALMADGE	N/A	N/A	N/A	N/A	
WATER	TENNESSEE AMERICAN WATER	423-771-4713	GRADY STOUT	P.O. BOX 6338	CHATTANOOGA	TN	37401	
SEWAGE	CITY OF CHATTANOOGA WASTE RESOURCES	423-757-5026	DISPATCH	455 MOCCASIN BEND ROAD	CHATTANOOGA	TN	37405	
GAS	CHATTANOOGA GAS COMPANY	423-490-4289	BENNIE KINSEY	6125 PRESERVATION DRIVE	CHATTANOOGA	TN	37416	
POWER & TELECOM	ELECTRIC POWER BOARD	423-648-1372	DAVID HENDERSON	P.O. BOX 182255	CHATTANOOGA	TN	37422	
CABLE TV	COMCAST CABLE TELEVISION	423-855-4300	GEOFF SHOOK	2030 EAST POLYMER DRIVE	CHATTANOOGA	TN	37421	
RAILROAD (TVRM)	TENNESSEE VALLEY RAILROAD MUSEUM	423-605-2331	GEORGE WALKER	4119 CROMWELL RD	CHATTANOOGA	TN	37421	
STORMWATER	CITY OF CHATTANOOGA PUBLIC WORKS	423-643-5961	MARIA PRICE, P.E.	1250 MARKET ST, STE. 2000	CHATTANOOGA	TN	37402	

THE ENGINEER SHALL HAVE THE AUTHORITY TO DESIGNATE AND/OR LIMIT AREAS OF

PROPERTY OF THE CITY OF CHATTANOOGA. SAID MATERIAL SHALL BE CLEANED AND THEN

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AT HIS OWN EXPENSE ANY AND ALL DAMAGES THAT MAY OCCUR OUTSIDE THE LIMITS OF THIS PROJECT AS A RESULT OF CONSTRUCTION.

8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING CURB & COMBINED CURB AND GUTTERS WHERE APPLICABLE.

ALL EXISTING DRAINAGE STRUCTURES, ABANDONED UTILITY FACILITIES, STRUCTURE FOUNDATIONS, AND SIMILAR ITEMS WITHIN THE LIMITS OF PAVING SHALL BE REMOVED TO A MINIMUM OF TWO FEET BELOW THE TOP OF SUBGRADE, AND REMAINING VOIDS SHALL BE FILLED WITH APPROPRIATE BACKFILL THEN COMPACTED IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF SAID ITEMS OR FOR FURNISHING AND COMPACTING CRUSHED STONE BACKFILL, AND COMPENSATION, THEREFORE, SHALL BE INCLUDED IN THE CONTRACT PRICES FOR OTHER ITEMS.

10. ALL TREES LARGER THAN 3 INCHES IN DIAMETER NEEDING TO BE REMOVED PRIOR TO THE COMPLETION OF THIS CONTRACT, SHALL BE CUT IN 3 FOOT LENGTHS AND STACKED ON THE ADJACENT PROPERTY IF THAT PROPERTY'S OWNER WISHES TO USE THE WOOD.

11. THE COST OF HANDICAP RAMPS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR, "CONCRETE SIDEWALK (4")", OF THE CITY'S CONTRACT SPECIFICATIONS. COST OF DROP CURBS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE ITEM FOR THE STANDARD CORRELATING STANDARD CURB OF THE CITY'S CONTRACT SPECIFICATIONS.

12. THE OWNER SHALL BE RESPONSIBLE FOR THE PAYMENT FOR TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ORDERING APPROPRIATE TESTS AS REQUIRED BY THE INSPECTOR.

13. THE CONTRACTOR SHALL REPLACE IN KIND ANY AND ALL SHRUBS, FENCES, MAILBOXES, ETC., THAT ARE REMOVED OR DAMAGED FROM CONSTRUCTION ACTIVITIES. NO SEPARATE PAYMENT SHALL BE MADE FOR ITEMS THAT WERE REMOVED OR DAMAGED THAT WERE NOT NECESSARY TO DO SO FOR THE CONSTRUCTION.

14. THE CONTRACTOR SHALL NOT BE ALLOWED TO REMOVE ANY FENCE OTHER THAN THAT NECESSARY FOR THE CONSTRUCTION OF THE NEW ROAD OR RELATED APPURTENANCES. ANY FENCE REMOVED IS TO BE REPLACED IN KIND BY THE CONTRACTOR WITH THE COSTS INCLUDED IN THE UNIT PRICE BID FOR, "FENCE RELOCATION" (WHERE APPLICABLE), OF THE CITY'S CONTRACT SPECIFICATIONS.

DRAWINGS OF THE PROJECT WITHIN THIRTY (30) DAYS AFTER SUBSTANTIAL COMPLETION OF THE WORK. ("SUBSTANTIAL COMPLETION" SHALL BE DEFINED BY THE JURISDICTIONAL ENGINEER.) THE ENGINEER RESERVES THE RIGHT TO WITHHOLD THE RETAINER UNTIL RECEIVING

17. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, THE MOST RESTRICTIVE INTERPRETATION IN FAVOR OF THE ENGINEER SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY CLARIFICATION OR INTERPRETATION OF GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, IN ADVANCE AND IN WRITING, FROM THE ENGINEER.

18. CONTRACTOR SHALL VERTICALLY PRUNE TREE ROOTS PRIOR TO ANY GRADING OR EXCAVATION WITHIN 50 FEET (15.2M) OF THE LIMIT OF THE CRITICAL ROOT ZONE, ROOT PRUNE ALL EXISTING TREES TO A DEPTH OF 24 INCHES (61CM) BELOW EXISTING GRADE. VERTICAL CUTS SHALL BE MADE WITHIN TWO FEET OF THE LIMIT OF THE GRADING OR EXCAVATION. CONTRACTOR SHALL USE A ROCK SAW, VIBRATORY PLOW, CABLE PULLER, OR SIMILAR MECHANICAL DEVICE OR A SHARPENED SHOVEL, SPADE AND HAND PRUNERS IF DONE MANUALLY. CONTRACTOR SHALL HAVE THE BLADE SHARPENED ON MECHANICAL ROOT PRUNERS BEFORE STARTING THE PROJECT. UPON COMPLETION OF THE CUT, THE

> NOTE: CONTRACTOR TO VERIFY ALL UTILITY LO PRIOR TO CONSTRUCTION INCLUDING, BUT NOT GAS, WATER, SANITARY SEWER & STORM SEWE INVERTS), ELECTRIC, FIBER, CABLE, ETC. THES NOT PURPORT TO SHOW THE LOCATION OF ALL



UTILITY LOCATE: CONTRACTOR SHALL CALL 811, OR (800) 351-1111, AT LEAST 3 DA EXCAVATING OR SAW CUTTING. CONTRACTOR SHALL ALSO CALL CHATTANOOGA OF TRANSPORTATION TRAFFIC OPERATIONS DIVISION AT LEAST 3 BUSINESS DAYS EXCAVATING OR SAW CUTTING WHEN PERFORMING WORK WITHIN 400' OF A SIGNA INTERSECTION TO LOCATE AND MARK SUBSURFACE TRAFFIC SIGNAL WIRING, LOC Know what's below. INFRASTRUCTURE. ANY REPAIR COSTS ASSOCIATED TO TRAFFIC SIGNAL INFRAST Call before you dig. DAMAGED DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR

LITH ITY OWNERS

1. ALL CONSTRUCTION WITHIN THE CITY'S RIGHT-OF-WAY SHALL CONFORM TO FEDERAL PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). THE CONTRACTOR AND REGISTERED DESIGN PROFESSIONAL OF RECORD (PE, PLA, OR RA) ARE EXPECTED TO BE FAMILIAR WITH THESE STANDARDS AND PROMPTLY NOTIFY THE CHATTANOOGA DEPARTMENT OF TRANSPORTATION (CDOT) OF ANY ANTICIPATED DEVIATION.

2. CONTRACTOR SHALL REFER TO THE CITY OF CHATTANOOGA STANDARD DETAILS FOR ALL APPLICABLE CONSTRUCTION STANDARDS. THE SD-200 SERIES SHALL BE USED FOR ALL ROADWAY AND DRIVEWAY RELATED DETAILS. THE SD-500 SERIES SHALL BE USED FOR ALL STREETSCAPE STANDARDS. THE SD-700 SERIES SHALL BE USED FOR ALL REPAIR DETAILS. THE CONTRACTOR SHALL NOTIFY THE CITY WHEN ANY DEVIATIONS FROM THESE STANDARDS ARE ANTICIPATED, AND SHALL COORDINATE WITH THE PROJECT'S REGISTERED DESIGN PROFESSIONAL OF RECORD (PE, PLA, OR RA) FOR CHANGES TO BE INCORPORATED ON THE CITY'S PERMIT SET.

3. WHERE APPLICABLE TO THE PROJECT AND NOTED ON PLANS, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHATTANOOGA AND ALL LOCAL UTILITY COMPANIES FOR THE UNDERGROUND RELOCATION OF UTILITY LINES.

4. CONTRACTOR SHALL MATCH EXISTING SIDEWALK AND GUTTER GRADES WHEREVER PROPOSED CONSTRUCTION MEETS EXISTING. CONSTRUCTION OF ALL THESE AND ALL APPLICABLE FACILITIES SHALL STILL COMPLY WITH PROWAG WITH THE EXCEPTION OF THESE BLENDED TRANSITIONS.

5. STREETSCAPE:

A. ALL STREET LIGHTING PROPOSED ON THE PLANS SHALL BE COORDINATED BY THE CONTRACTOR W/ EPB AND SEQUENCED WITH THE PROJECT PHASING. ANY UNRESOLVED LIGHTING WILL DELAY PROJECT CLOSEOUT UNLESS PROVIDED WITH A WRITTEN APPROVAL FROM CDOT. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR MANUFACTURER, POLE STYLE, AND POLE COLOR IF NOT NOTED ON PLANS IN ORDER TO CONFIRM SPECIFICATIONS PRIOR TO ORDERING. CONTACT THE CDOT DESIGN MANAGER (423.643.5919) FOR COORDINATION AND TO SCHEDULE INSPECTION OF STREETSCAPE COMPONENTS PRIOR TO PROJECT CLOSEOUT.

B. CONTRACTOR SHALL HAVE ALL EXISTING PEDESTRIAN LIGHTS WITHIN THE PROJECT'S LIMITS OF WORK REMOVED PRIOR TO CONSTRUCTION AND SALVAGED UNTIL HARDSCAPE IS SUBSTANTIALLY COMPLETE. COORDINATE WITH THE CHATTANOOGA ELECTRIC POWER BOARD (EPB) AT 423.648.1372 PRIOR TO BEGINNING CONSTRUCTION AND TO SCHEDULE REPLACEMENT. ANY COSTS ASSOCIATED WITH PROTECTION AND RELOCATION OF POLES SHALL BE INCURRED BY THE CONTRACTOR.

C. CONTRACTOR SHALL INSTALL THE STREETSCAPE, INCLUDING ALL CONDUIT AND FOUNDATIONS PER CITY OF CHATTANOOGA STANDARD SD-507.01. CONTRACTOR SHALL ALSO INSTALL PULL BOXES WHICH ARE PROVIDED BY EPB. AFTER THE CONTRACTOR HAS INSTALLED PULL BOXES, CONDUIT, AND FOUNDATIONS, EPB WILL THEN INSTALL THE POLES, FIXTURES, AND PULL THE WIRE.

6.CDOT CONTACTS:

A. MAIN OFFICE (423.643.5950) FOR GENERAL INQUIRIES, OR ALTERNATIVELY AS A 311 CALL (423.643.6311).

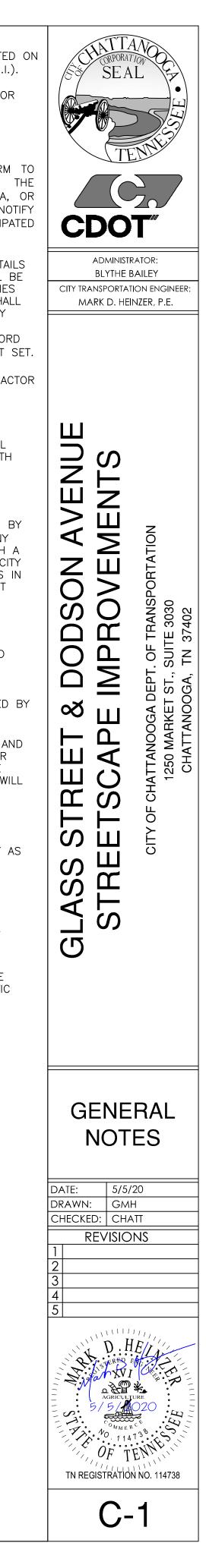
B. PUBLIC SPACE COORDINATOR (423.643.5962) FOR WORK ZONE TRAFFIC CONTROL.

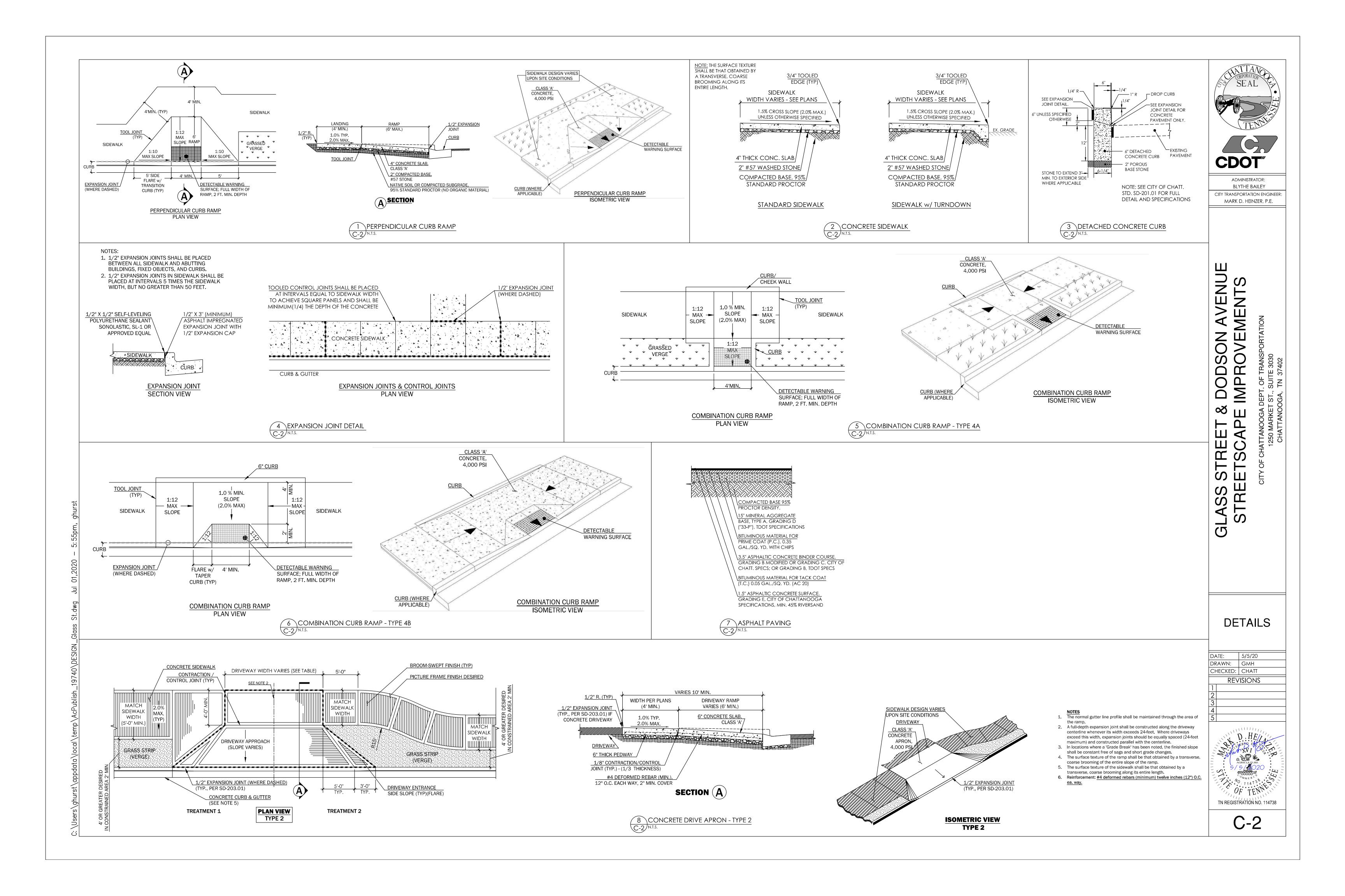
C. TRAFFIC ENGINEERING TECHNICIAN (423.643.5843) FOR COORDINATION OF SIGNAGE AND PARKING METER INSTALLATION.

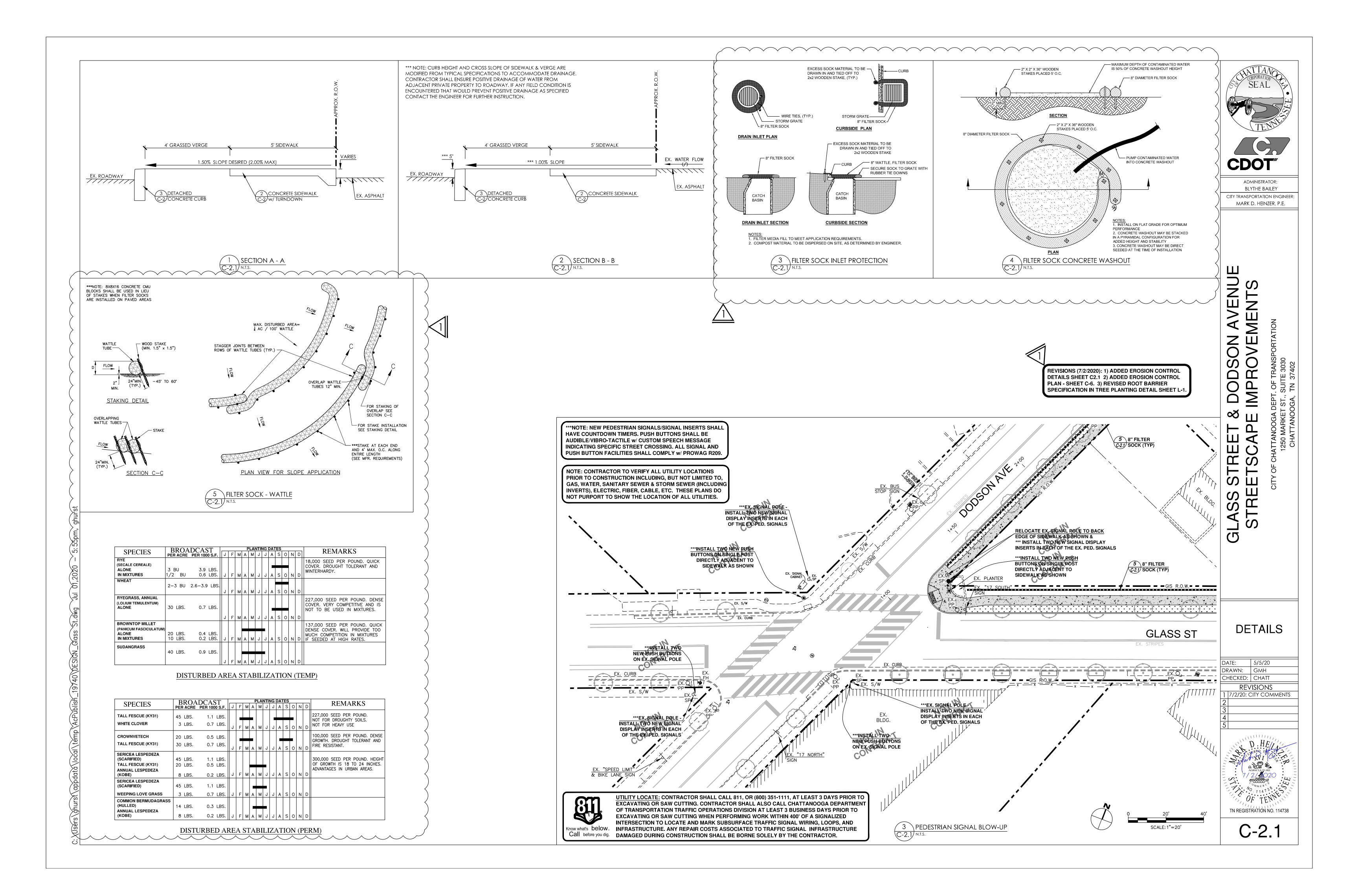
D. TRAFFIC SIGNAL ENGINEER (423.643.5958) WHEREVER PROJECT FRONTAGE ABUTS AN EXISTING TRAFFIC SIGNAL, SIGNAL INFRASTRUCTURE SUCH AS TRAFFIC LOOPS OR CABINETS, OR WHERE NEW SIGNAL INFRASTRUCTURE IS PROPOSED.

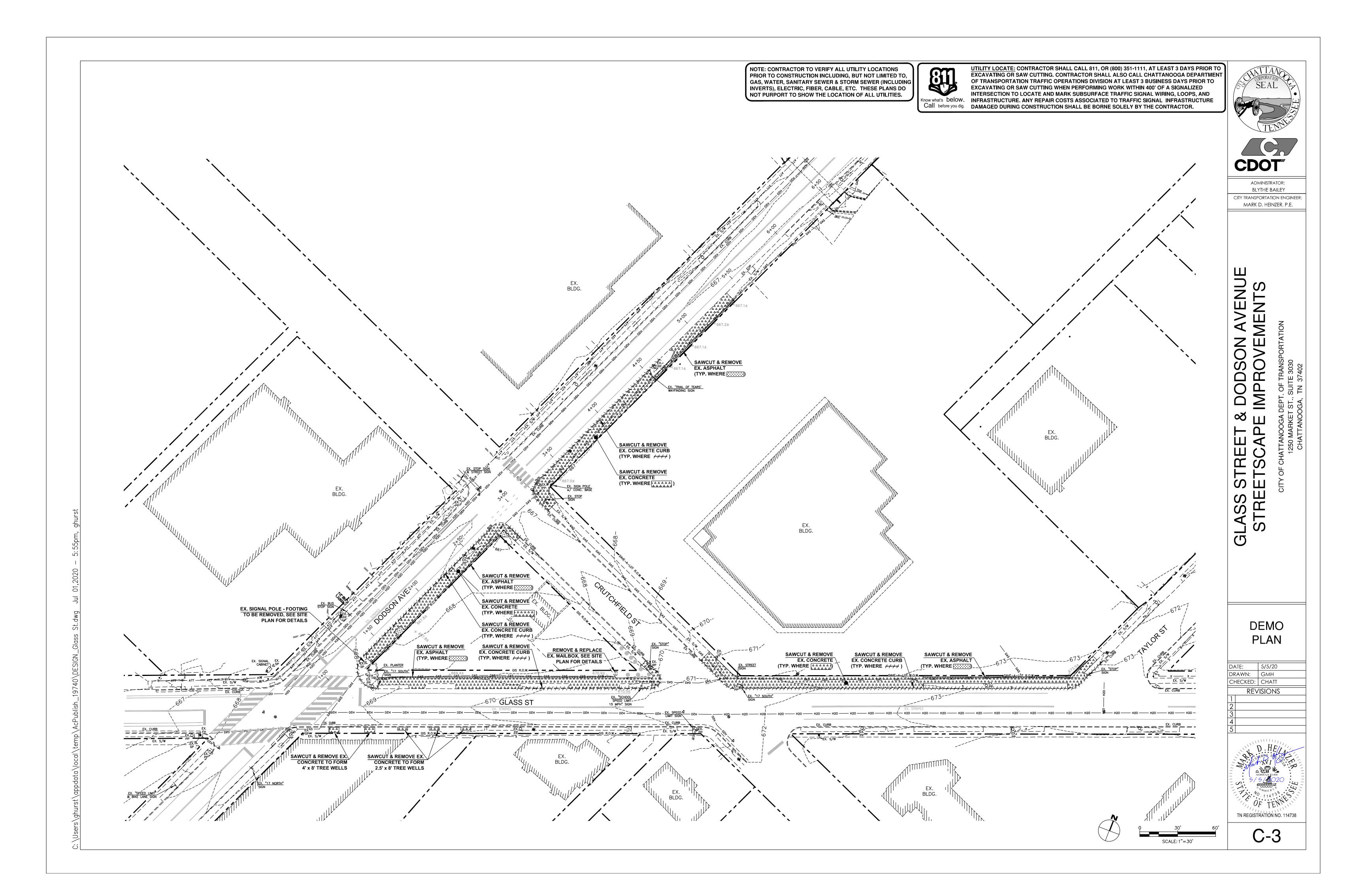
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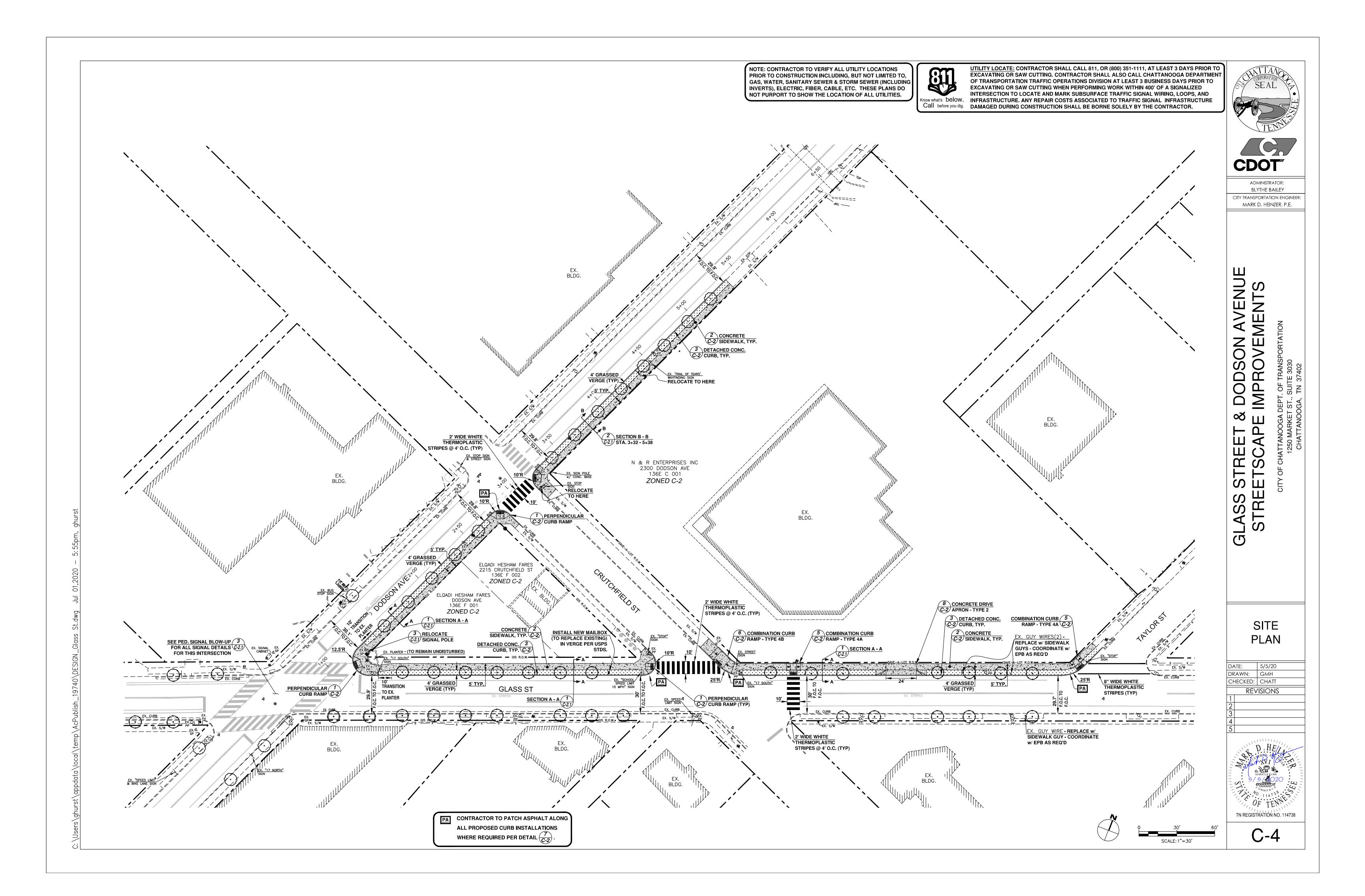
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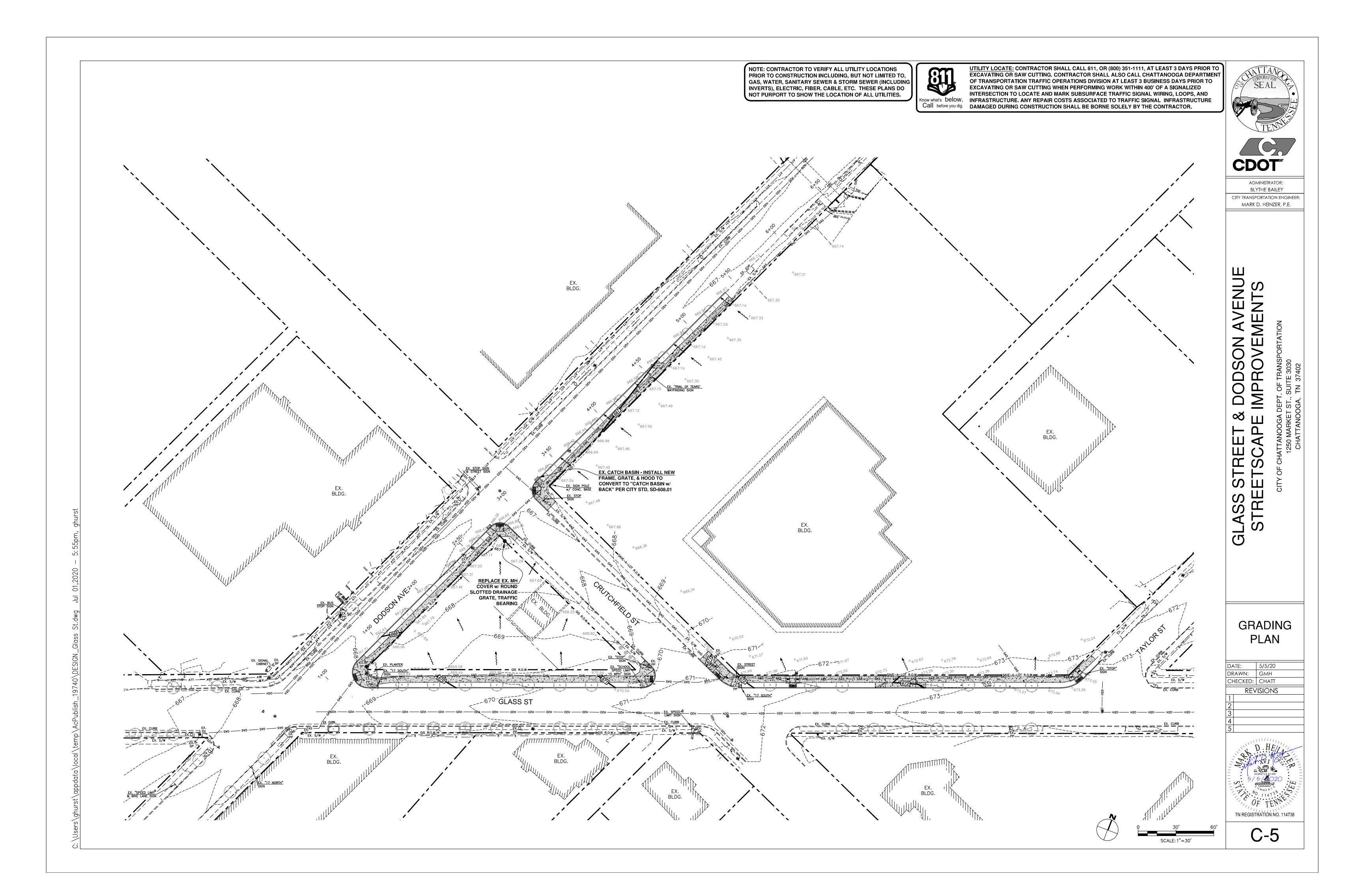


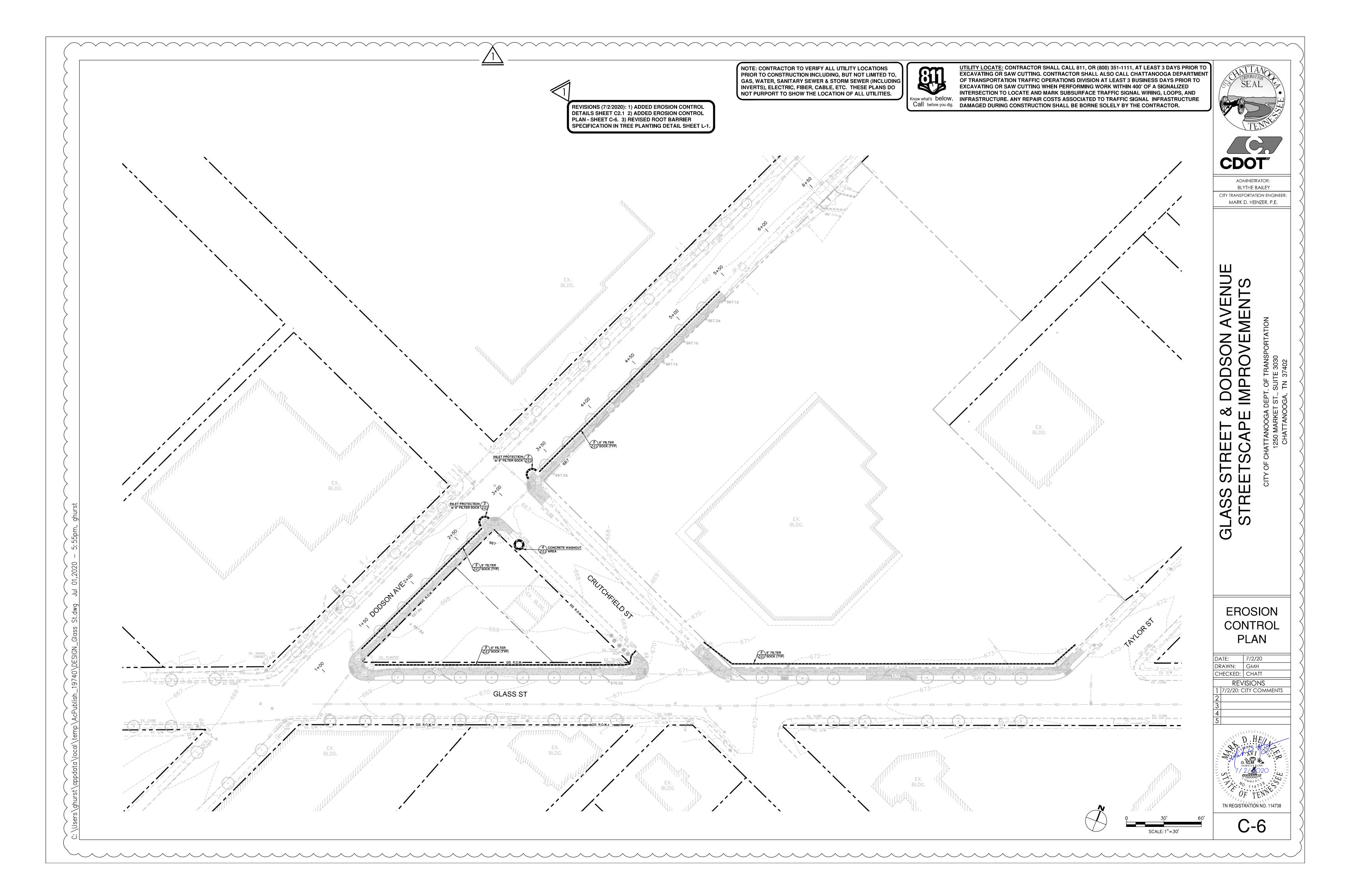










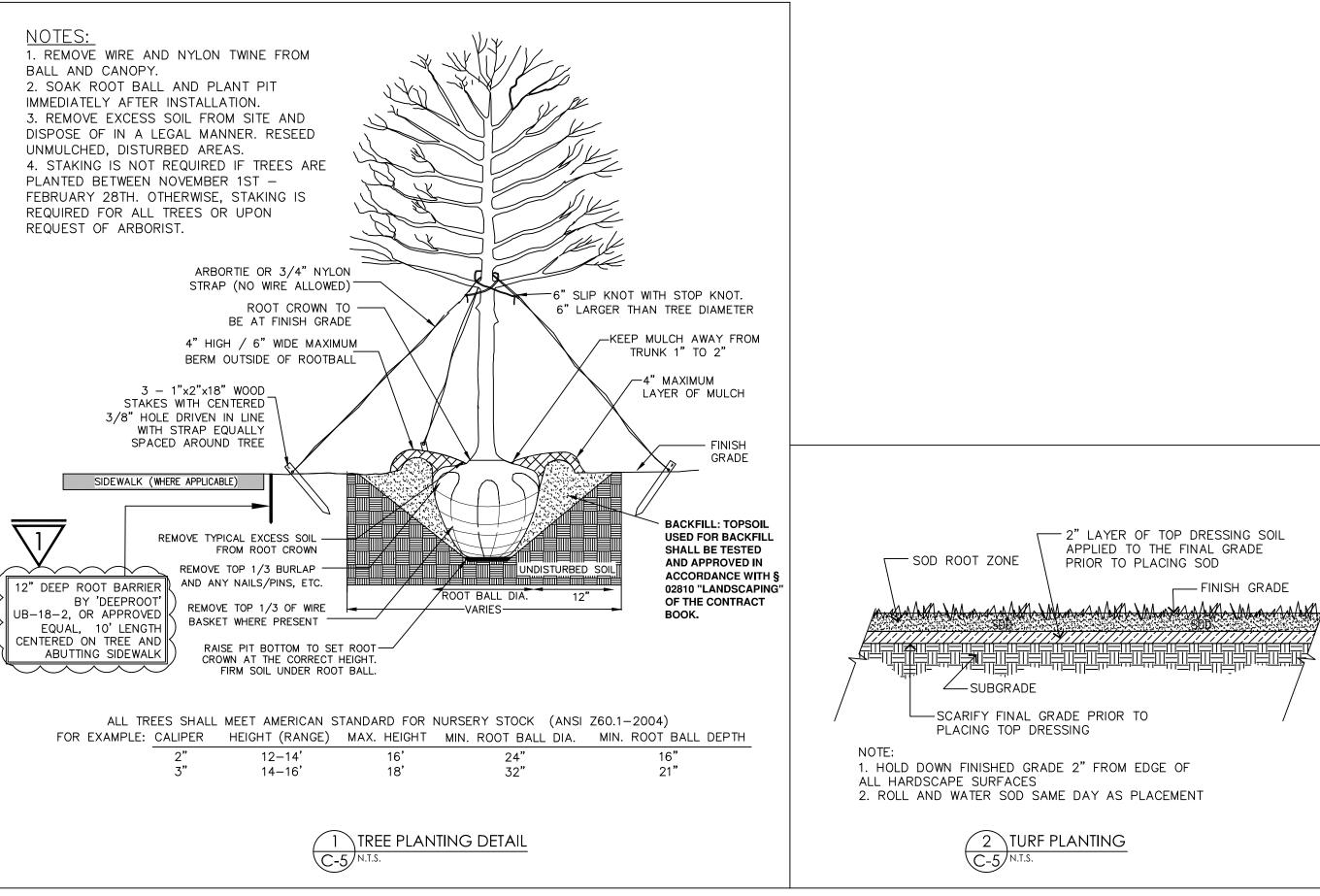


1.	PLANTING NOTES: SOIL SHALL BE FREE OF ALL DEBRIS, CONSTRUCTION MATERIAL, AND SLURRY. ALL LANDSCAPE & TURF AREAS SHALL BE
	BACKFILLED WITH PLANTING SOIL MIXTURE PER DETAILS AND SPECIFICATIONS.
2.	SUBSTITUTIONS SHALL NOT BE MADE UNLESS DRAWINGS AND/OR WRITTEN REQUESTS ARE SUBMITTED TO THE DESIGN PROFESSIONAL FOR APPROVAL. THE DESIGN PROFESSIONAL ALONE SHALL DETERMINE EQUALITY BASED UPON COMPLETE
	INFORMATION SUBMITTED BY THE CONTRACTOR.
3.	THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE
	INITIATION OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES DURING THE LIFE OF THE PROJECT.
4.	THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE INCURRED DURING THE EXECUTION OF HIS WORK.
	SEE SPECIFICATIONS FOR PLANTING SOIL MIXTURES AND DEPTH OF MIXTURE(S).
	ALL PLANT AREAS SHALL HAVE A MINIMUM 3" LAYER OF PINE BARK MULCH. THE CONTRACTOR SHALL VERIFY THE QUANTITIES LISTED IN THE PLANT LEGEND. CONTRACTOR IS RESPONSIBLE FOR
7.	INSTALLING ALL PLANTS SHOWN ON PLANTING PLANS. IN CASE OF DISCREPANCIES THE LANDSCAPE ARCHITECT SHOULD BE
	CONTACTED.
	ALL PLANT MATERIAL TO BE A.N.L.A. OR BETTER. ALL PLANT MATERIAL SHALL MEET THE SIZE REQUIREMENT AS STATED ON THE PLANT LIST. ALL DIMENSION ON THE PLANT LIST
٦.	SHALL BE THE MINIMUM ACCEPTABLE SIZE.
10.	THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY LOCATION.
11.	OWNER'S REPRESENTATIVE WILL DECIDE FINAL APPROVAL OF ALL PLANT MATERIAL DELIVERED TO THE PROJECT SITE. THE OWNER'S REPRESENTATIVE MAY MAKE SELECTION OF PLANT MATERIAL PROCURED UNDER THIS PROJECT AT THE PLACE
	OF CULTIVATION BEFORE THE CONTRACTOR PURCHASES AND PREPARES FOR DELIVERY TO PROJECT SITE. THE CONTRACTOR IS
17	TO RETAIN AND SUBMIT CERTIFICATION TAGS VERIFYING TYPE AND PURITY. WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE INTENTIONS OF THESE DRAWINGS,
12.	SPECIFICATIONS AND SUBMITTED SAMPLES. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE OF BEST QUALITY AND TO
	THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
13.	ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, DENSE WITH A NATURALISTIC BRANCHING CHARACTER AS INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
14.	SEE PLANTING PLAN AND PLANT LIST FOR PLANT MATERIAL PROCUREMENT. QUANTITY ESTIMATES ON THE PLANTING PLAN
	AND PLANT LIST ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL FURNISH ALL QUANTITIES NECESSARY TO COMPLETE THE PLANTING AREAS AS SHOWN ON THE DRAWINGS TO THE ACCEPTANCE AND SATISFACTION OF THE OWNER'S
	REPRESENTATIVE. THE CONTRACTOR SHALL REPORT TO THE OWNER'S REPRESENTATIVE SHOULD THERE BE CHANGES IN THE
	PLANTING AREAS ON SITE RESULTING IN SUBSTANTIAL DIFFERENCE IN QUANTITIES AND SPECIES REQUIRED.
15.	PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO OWNER'S REPRESENTATIVE APPROVAL SHALL BE DONE WITHOUT PENALTY OR
	ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN OWNER'S REPRESENTATIVE'S APPROVAL PRIOR
10	TO PLANT INSTALLATION. THE CONTRACTOR SHALL STAKE TREE AND PLANT LOCATION AND NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL OF
10.	LOCATIONS PRIOR TO DIGGING PITS. MAKE ADJUSTMENTS AS DIRECTED BY OWNER'S REPRESENTATIVE.
17.	UTILITIES: THE CONTRACTOR SHALL DETERMINE LOCATION OF ALL ABOVE GRADE AND UNDERGROUND UTILITIES; PERFORM
	WORK THAT WILL AVOID DAMAGE TO UTILITIES. THE CONTRACTOR SHALL MAKE GOOD ALL DAMAGED UTILITIES AT NO COST TO OWNER.
18.	CONTRACTOR TO DO PERCOLATION TESTS IN AREAS TO BE PLANTED: NOTIFY DESIGN PROFESSIONAL OF ANY POOR DRAINAGE.
	PROVIDE SUPPLEMENTAL PIT DRAINAGE AS REQUIRED TO ENSURE HEALTHY PLANT MATERIALS.
19.	IF DRAINAGE IS NOT SUFFICIENT NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING BEFORE INSTALLING THE PLANTS, OTHERWISE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GUARANTEE AND LIVEABILITY OF THE PLANT.
20.	PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
21.	REMOVE WIRE BASKET FROM ROOTBALLS. IF REMOVAL WILL RESULT IN ROOTBALL INJURY, CUT AND REMOVE WIRES ONCE IN HOLE TO ALLOW FOR ROOT EXPANSION.
22.	SOIL/MULCH SAUCERS TO BE 6' (MIN.) DIAMETER FOR ALL TREES NOT INCLUDED WITHIN A MULCH BED.
23.	STAKING AND GUYING DETAILS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY, THE CONTRACTOR IS RESPONSIBLE TO
24	ADEPT STAKING AND GUYING METHOD ACCORDING TO SITE CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE STAKING AND GUYING PERIODICALLY AS NECESSARY OR AS
۲.	INSTRUCTED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL IN AN UPRIGHT
25	POSITION AT ALL TIMES DURING THE CONTRACT PERIOD. THE PURPOSE OF STAKING AND GUYING OF TREES ARE FOR ESTABLISHMENT ONLY. THE STAKING AND GUYING DETAILS ARE
25.	NOT DESIGNED OR ENGINEERED TO WITHSTAND STRONG WIND OR WIND-STORM CONDITIONS.
26.	PROVIDE A CLEAN, SHARP TRENCH EDGING, 7" WIDE AT SHRUB BEDS ADJACENT TO LAWN AREAS UNLESS OTHERWISE NOTED.
27.	PROVIDE 3" THICK MULCH (MEASURED AFTER WATERING IN) AT ALL PLANTS AND PLANTING BEDS. MULCH SHALL BE PINE STRAW UNLESS OTHERWISE NOTED ON THE PLANS OR DETAILS.
28.	CONTRACTOR SHALL BE RESPONSIBLE FOR "ROLLING" ALL SOD THAT IS INSTALLED (ON THE DAY THE SOD IS INSTALLED.)
	HOWEVER, NO SOD SHALL BE LAID WHERE THE GRADE IS NOT CORRECT.
29.	PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS AS A RESULT OF TRANSPLANTING OPERATION AND TO MAINTAIN SAFETY IN
	VEHICULAR AREAS. PRUNING SHALL BE DONE IN SUCH A MANNER AS TO NOT CHANGE THE NATURAL HABIT OR SHAPE OF THE
	PLANT. ALL CUTS SHALL BE MADE FLUSH, LEAVING NO STUBS ACCORDING TO A.N.L.A. STANDARDS. THE OWNER'S
30	REPRESENTATIVE SHALL BE THE SOLE PARTY TO APPROVE ALL APPROPRIATE PRUNING. THE CONTRACTOR'S FIELD SUPERVISOR SHALL ACCOMPANY OWNER'S REPRESENTATIVE ON ALL PLANT TAGGING AND SITE
	VISITS.
31.	CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE DRAWINGS, SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE OWNER'S REPRESENTATIVE.
32.	CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AS NECESSARY TO EXECUTE AND COMPLETE PROPOSED LANDSCAPE/
	IRRIGATION INSTALLATION IN A TIMELY MANNER COMPLYING WITH THE SCHEDULED COMPLETION DATE.
33.	MAINTENANCE WORK AS DESCRIBED IN THE SPECIFICATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER AND UNTIL DATE OF THE FINAL ACCEPTANCE BY OWNER AND OWNER'S REPRESENTATIVE.
34.	WARRANTY: ALL PLANTS SHALL BE WARRANTED TO REMAIN ALIVE AND HEALTHY AND IN VIGOROUSLY THRIVING CONDITION
c -	FOR A MINIMUM PERIOD OF 1 YEAR FROM DATE OF FINAL ACCEPTANCE AS DESCRIBED IN THE SPECIFICATIONS.
35.	PLANT MATERIAL WILL BE INSTALLED PER AMERICAN NURSERY & LANDSCAPE ASSOCIATION RECOMMENDATIONS.
	HANDLING AND PLANTING INSTRUCTIONS:
1	LOADING AND UNLOADING: ALWAYS LIFT AND MOVE TREES BY STRAPPING ON THE ROOT BALL.
	IMMEDIATELY AFTER UNLOADING, STAND THE TREES UP. THIS WILL REDUCE THE RISK OF SUNSCALD. PROPERLY STAGED
3	TREES ARE STANDING, UNTIED, AND SPACED. MONITOR MOISTURE IN THE ROOT BALL BY PROBING THE SOIL WITH A SOIL PROBE AND MANAGE SUPPLEMENTAL IRRIGATION
	ACCORDINGLY. BE CARFUL NOT TO OVER OR UNDER IRRIGATE.
4.	REMOVE THE CARDBOARD TRUNK PROTECTOR WITHIN 48 HOURS TO REDUCE THE RISK OF INSECT DAMAGE.
1	PLANTING CARE:
	BEFORE PLANTING, REMOVE ANY PLASTIC WRAP AND CIRCLING ROOTS FROM THE ROOT BALL. EXCAVATE PLANTING HOLE AT LEAST TWO TIMES THE DIAMETER OF, AND 2" SHALLOWER THAN THE ROOT BALL.
3.	PLACE ROOT BALL AT A LEVEL WHERE THE TRUNK FLARE WILL BE 2" ABOVE SURROUNDING FINISHED GRADE AFTER SETTLING.
Λ	SATURATE THE PLANTING HOLE WITH WATER AFTER BACKFILL IS $rac{3}{4}$ COMPLETE TO AID REMOVAL OF AIR FROM BACKFILL.

<u>NOTES:</u>

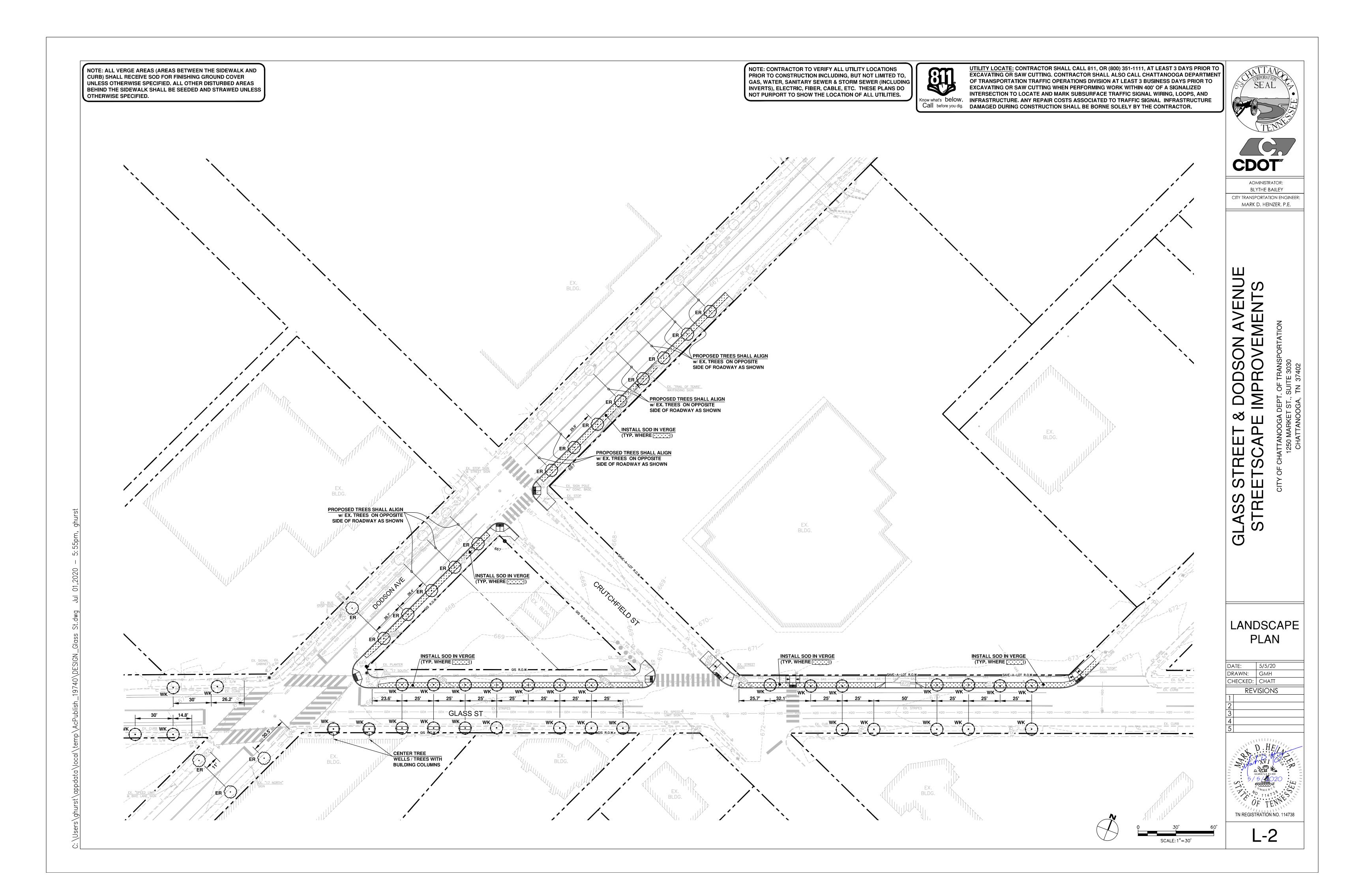
 $\overline{\overline{17}}$

	TREE SPECIFICATIONS							
SYMBOL	QTY.	COMMON NAME	BOTANICAL NAME	SIZE/HEIGHT WHEN PLANTED	SPACING			
	17	EASTERN REDBUD	CERCIS CANADENSIS	2.5" CALIPER MIN. ***	SEE PLANS			
Ю _{wк}	32	WINTER KING HAWTHORN	CRATAEGUS VIRIDIS 'WINTER KING'	2.5" CALIPER MIN. ***	SEE PLANS			





REVISIONS (7/2/2020): 1) ADDED EROSION CONTROL DETAILS SHEET C2.1 2) ADDED EROSION CONTROL PLAN - SHEET C-6. 3) REVISED ROOT BARRIER SPECIFICATION IN TREE PLANTING DETAIL SHEET L-1.



Bid Schedule

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Amount
1	Common Excavation				
1-A	Common Excavation	10	СҮ		
1-B	Backfill/Borrow Excavation	10	СҮ		
1-C	Undercut and Remove Unsuitable Material	10	СҮ		
2	Rock Excavation				
2-A	Rock Excavation - Boulders, Stones or Pieces of Masonry that are one- half cubic yard or larger in volume, Sound, solid rock in its original position in ledges, bedded deposits or masses of such hardness and texture that, in the opinion of the Engineer meet the requirements of this specification.	1	СҮ		
12	Bituminous Plant Mix				
12-A	Asphaltic Concrete Binder, Grading "B", includes primecoat, 3.5-inch depth, (Complete-in-place).	1100	SF		
12-B	Asphaltic Concrete Surface, Grading "E", includes tackcoat, 1.5-inch depth, (Complete-in-place).	1100	SF		
14	Mineral Aggregate & Base				
14-A	Mineral Aggregate Base, 100% Compaction Std. Proctor, Type 'A', Grading "D", 15-inch depth, (Complete-in-place).	1100	SF		
14-B	No. 57 Washed Stone - For general backfill, pipe backfill, base etc placed in 6" lifts - compacted (Complete-in-place).	14	TON		
15	Concrete and/or Pavement Removal				
15-A	Demolition and Removal of Existing Concrete Sidewalk (Complete-in- place).	5150	SF		
15-B	Demolition and Removal of Existing Concrete Driveway (Complete-in- place).	2000	SF		
15-C	Demolition and Removal of Existing Asphalt Roadway (Complete-in-place).	1100	SF		
15-D	Demolition and Removal of Existing Curb & Gutter or Detached Curb (Complete-in-place).	950	LF		
15-E	Saw Cutting (Complete-in-Place)	2050	LF		

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Amount
16	Cement Concrete (Sidewalks, Driveways, Handicap Ramps)				
16-A	Concrete Sidewalk, 4-inch thick (SD-202.01) - Includes Class "A" Concrete portion of ADA Ramps, Adjustment of Handhole boxes & Valve Boxes to finished grade, Excavation up to 6-inch Depth, Base stone, Expansion Joints, Caulk, etc. (Complete-in-Place).	5800	SF		
16-B	Concrete Driveway Apron and/or Sidewalk, 6-inch thick (SD-202.02) - Includes Class "A" Concrete, Excavation up to 8-inch Depth, Base Stone, Reinforcing Steel, etc. (Complete-in-Place).	110	SF		
16-C	Truncated Dome Composite Inlay, 'ADA Solutions' Cast-in-Place (non- Replaceable), or approved equal, River Red Color (Per Appendix) - Includes Installation, Labor, and Material. Excludes Handicap Ramp Concrete, (Complete-in-place).	90	SF		
17	Cement Concrete Curb, Gutter, or Combined Curb and Gutter				
17-A	City Standard Detached Curb (SD-201.01) - Includes excavation, backfill, stone, concrete, etc., (Complete-in-Place).	1050	LF		
19	Tree and/or Stump Removal				
19-A	Tree and/or Stump Removal, 4-inch - 12-inch Diameter -Includes multi- trunk trees i.e. crepe myrtle. Multi-trunk tree; measurement of largest trunk shall be taken to determine "Diameter" (Complete-in-place).	1	EA		
33	Adjusting Manhole Frames				
33-A	Manhole Adjustment/Raise to Finished Grade - Includes Excavation, Backfill, Riser, Concrete, Brick, or any other Incedentals, etc., (Complete- in-place).	1	EA		
34	Catch Basins, Curb Inlets, Miscellaneous				
34-A	Convert Existing Catch Basin Into Catch Basin w/ Back -(SD-608.01) - Includes Excavation, Backfill, Concrete or Brick or Precast, Frame and Castings, Labor, and other Incidentals, etc. (Complete-in-Place)	1	EA		
34-B	Install New Round Slotted Inlet Grate on Existing Manhole - Includes New Grate (Traffic Bearing), any Incidentals, etc. (Complete-in-Place)	1	EA		
35	Sodding and/or Seeding				
35-A	Fescue Sod - Includes all materials, labor, rolling, stapling, and other incidentals, etc. (Complete-in-place).	350	SY		
36	Topsoil				
36-A	Topsoil (3-inch depth) , Includes Labor and other incidentals, etc. (Complete-in-place).	350	SY		
98	Slope Protection and Erosion Control				
98-A	8" Wattle/Silt Sock - Includes linear barrier filter, inlet protection, concrete cleanout, and Labor and other incidentals, etc. (Complete-in-place).	850	LF		

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Amount
717	Mobilization				
717-A	Mobilization, including bid bond, performance bond, payment bond, permits, traffic control per MUTCD standards, etc.	1	LS		
2452	Pavement Markings				
2452-A	Continental Crosswalk Striping, 10' Width - 2-2 Skip, Color White, 90 mil applied by extrusion shoe, with Reflective Beads at 7-9 pounds per 100 square feet of marking material, Includes Labor, Traffic Control, Pre-Marking, etc. (Complete-in-Place)	125	LF		
MISC	Miscellaneous Items				
MISC-A	Relocate Existing Water Meter - Per Tennessee American Water Company standards and requirements. Includes required pipe and fittings, and other Incidentals, etc. (Complete-in-Place)	1	EA		
MISC-B	Relocate Existing Traffic Sign - Includes new U-channel mounting base, any incidentals, etc. (Complete-in-Place)	2	EA		
MISC-C	Root Barrier - 18" (UB-18-2) Root Barrier by 'Deeproot' or approved equal. Installed per manufacturer specifications (Complete-in-Place)	670	LF		
MISC-D	Relocate Existing Guy Wire - Includes new guy wire and sidewalk guy pole if needed (Complete-in-Place)	3	EA		
MISC-E	New Mailbox, Per Appendix - Includes the removal & disposal of the existing mailbox, post, & footing, the installation a new mailbox, post, & footing. Includes mailbox (standard black), post (treated 4x4), hardware, vinyl letters, excavation & concrete for footing (Complete-in-Place)	1	EA		
MISC-F	Mailbox Relocation - Includes the removal of the existing mailbox, post, & footing, and the re-installation of the existing mailbox, post, & footing at the new location. Includes excavation, concrete for footing, other incidentals, and required materials (Complete-in-Place)	1	EA		
MISC-G	Relocate Existing Sign - Includes the removal of the existing sign, post, & footing, and the re-installation of the sign at the new location. Includes new sign post if required, other incidentals, and required materials (Complete-in-Place)	1	EA		

Base Bid Total

See next page for continued bid schedule.

ltem	Description	Approx. Quantity	Unit of Measure	Unit Price	Amount
	Add Alternate #1				
2810	Trees & Landscaping				
2810-A	Winter King Hawthorn (Crataegus Viridis 'Winter King') 2.5" Caliper - Includes installation, labor, materials, excavation, backfill, mulch, staking, etc. (Complete-in-Place) Eastern Redbud (Cercis Canadensis) 2.5" Caliper - Includes installation,	32	EA		
2810-В	labor, materials, excavation, backfill, mulch, staking, etc. (Complete-in- Place)	17	EA		
717	Mobilization				
717-A	Mobilization , including bid bond, performance bond, payment bond, permits, traffic control per MUTCD standards, etc.	1	LS		
	Add	litive Alterna	ate #1 Total		

Total Bid (Base Bid + Additive Alternate #1)