ROADWAY IMPROVEMENTS

MARYVILLE STREETSCAPE - COLLEGE STREET

COLLEGE STREET BETWEEN EAST CHURCH AVENUE & HIGH STREET.
MARYVILLE, TN

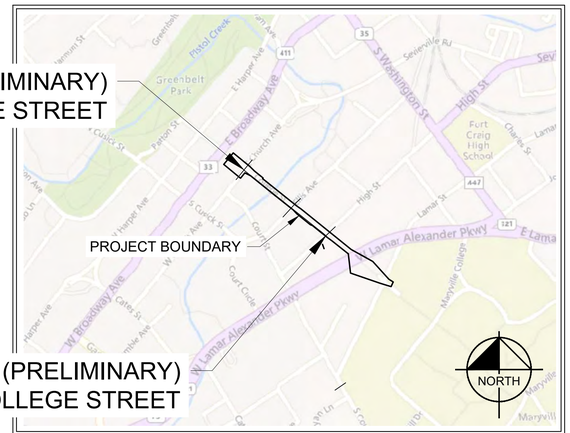
CONSTRUCTION ROADWAY PLANS DATE: MARCH 13, 2024

INDEX OF SHEETS

SEE SHEET NO. 1A

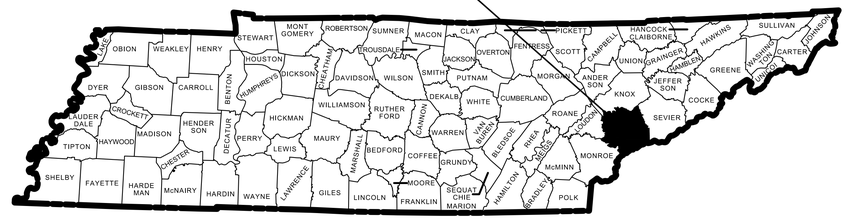
BEGIN PROJECT (PRELIMINARY)
STA. 100+00.00 COLLEGE STREET

END PROJECT (PRELIMINARY)
STA. 108+24.30 COLLEGE STREET



VICINITY MAP
NOT TO SCALE

PROJECT LOCATION



CITY OF MARYVILLE
BLOUNT COUNTY, TENNESSE

MAYOR: ANDY WHITE

CITY MANAGER: GREG MCCLAIN

PROJECT DESIGN TEAM

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
10 LEA AVENUE, SUITE 400
NASHVILLE, TENNESSEE 37210
PHONE: (629) 236 4809
CONTACT: BEN VONDENBRINK, P.E.

SURVEY
CANNON & CANNON, INC.
8550 KINGSTON PIKE
KNOXVILLE, TENNESSEE 37919
PHONE: (865) 670 8555
CONTACT: ROBERT LUSBY, P.L.S.

OWNER / DEVELOPER

CITY OF MARYVILLE
416 W. BROADWAY AVE.
MARYVILLE,TN, 37801
PHONE: 865-273-3523
CONTACT: KEVIN STOLTENBERG

PLANS PREPARED BY

Kimley»Horn

10 Lea Avenue, Suite 400, Nashville, TN 37210
Main: 615.564.2701 | www.kimley-horn.com

PROJECT NOTES:

- CONTRACTOR SHALL HAVE AN APPROVED, STAMPED, AND SIGNED COPY OF THE SITE PLANS ON SITE TO WORK FROM.
- ALL STORMWATER INFRASTRUCTURE ADJUSTMENTS OR INSTALLATION REQUIRE INSPECTION BEFORE COVERING. CONTACT DOUG CHAPMAN FOR INSPECTION AT (865) 273-3518.
- NO SITE GRADING MAY COMMENCE UNTIL A GRADING PERMIT HAS BEEN ISSUED. NO GRADING PERMIT WILL BE ISSUED UNTIL ALL EROSION AND SEDIMENT CONTROL IS IN PLACE ACCORDING TO THE PLANS, AND PASSES INSPECTION. CONTACT DOUG CHAPMAN FOR INSPECTION AT (865) 273-3518.

811 Know what's below. Call before you dig.

PLAN REVISIONS

REVISION NO.	DATE	REMARKS
1	03/13/2024	REMOVAL OF IMP. AT EXIST. BRIDGE (STA. 100+87.5 TO 101+46)

ENGINEER'S SEAL

FILE NUMBER	SHEET NUMBER	TOTAL SHEETS
118019006	1	40

PROJECT NAME - SET DESCRIPTION

Drawing name: K:\NSH_Roadway\118019006 - Maryville Streetscape\Cadd\Plans\001 - Title Sheet.dwg TITLE SHEET Mar 13, 2024 3:32pm by: Ben.Vondenbrink

ROADWAY INDEX

NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.

STANDARD ROADWAY DRAWINGS

STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS

DWG.	REV.	DESCRIPTION
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	02-20-20	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	02-20-20	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL

ROADWAY DESIGN STANDARDS

DWG.	REV.	DESCRIPTION
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-TS-2		DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS
RD11-TS-6		TYPICAL CURB & GUTTER SECTIONS WITH SHOULDERS AND WITH GRASS STRIPS
RD11-TS-6A		TYPICAL CURB & GUTTER SECTIONS WITHOUT SHOULDERS AND WITH GRASS STRIPS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION

PIPE CULVERTS AND ENDWALLS

DWG.	REV.	DESCRIPTION
D-PB-1	03-04-21	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PE-15A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 15" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES

CATCH BASINS AND MANHOLES

DWG.	REV.	DESCRIPTION
D-CB-12P	02-20-20	STANDARD PRECAST RECTANGULAR CONCRETE NO.12 CATCH BASIN
D-CB-12RB	02-20-20	STANDARD PRECAST 60” AND 72” CIRCULAR NO. 12 CATCH BASIN FOR USE WITH 6” VERTICAL CURB
D-CB-99	02-20-20	MISCELLANEOUS DETAILS FOR RECTANGULAR STRUCTURES
D-CB-99R	01-28-22	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-CB-99RA	10-29-21	BILL OF STEEL FOR ROUND CATCH BASIN LIDS
D-CBB-12A	06-28-19	TYPE ‘B’ CAST IRON FRAME, GRATE & VERTICAL INLET DETAILS FOR NOS. 10, 12, 14, 16 & 17 TYPE CATCH BASINS
D-CBB-12D		TYPE "B" CAST IRON FRAME, GRATE & CURB HOOD DETAILS FOR NOS. 10, 12, 14, 16 & 17 TYPE CATCH BASINS
D-MH-2	02-20-2020	STANDARD PRECAST NO. 3 MANHOLE

ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

DWG.	REV.	DESCRIPTION
RP-D-15	06-15-21	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-SC-1	05-04-22	SLOPING CONCRETE CURB AND CURB AND GUTTER
RP-VC-10	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 8” TO 12” GUTTER DEPTH)

MULTIMODAL

DWG.	REV.	DESCRIPTION
MM-CR-1	06-28-19	DETECTABLE WARNING SURFACE PLACEMENT ON CURB RAMPS
MM-CR-5	06-28-19	SINGLE CROSSING CURB RAMP IN CURVE
MM-PM-1		SIGNING AND PAVEMENT MARKINGS AT INTERSECTION CROSSINGS FOR SHARED-USE PATHS
MM-SW-1	06-28-19	DETAILS FOR CONCRETE SIDEWALKS
MM-SW-2		ALTERNATE DETAILS FOR CONCRETE SIDEWALK (REHABILITATION)

SAFETY DESIGN AND GUARDRAILS

DWG.	REV.	DESCRIPTION
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA

DESIGN - TRAFFIC CONTROL

DWG.	REV.	DESCRIPTION
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-55	10-29-21	SIDEWALK TRAFFIC CONTROL

EROSION PREVENTION AND SEDIMENT CONTROL

DWG.	REV.	DESCRIPTION
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-46		CATCH BASIN FILTER ASSEMBLY (TYPE 6)
EC-STR-46A		CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK — REGISTERED ENGINEER — AGRICULTURE — 03/13/2024 — COMMISSION No. 125719 — STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
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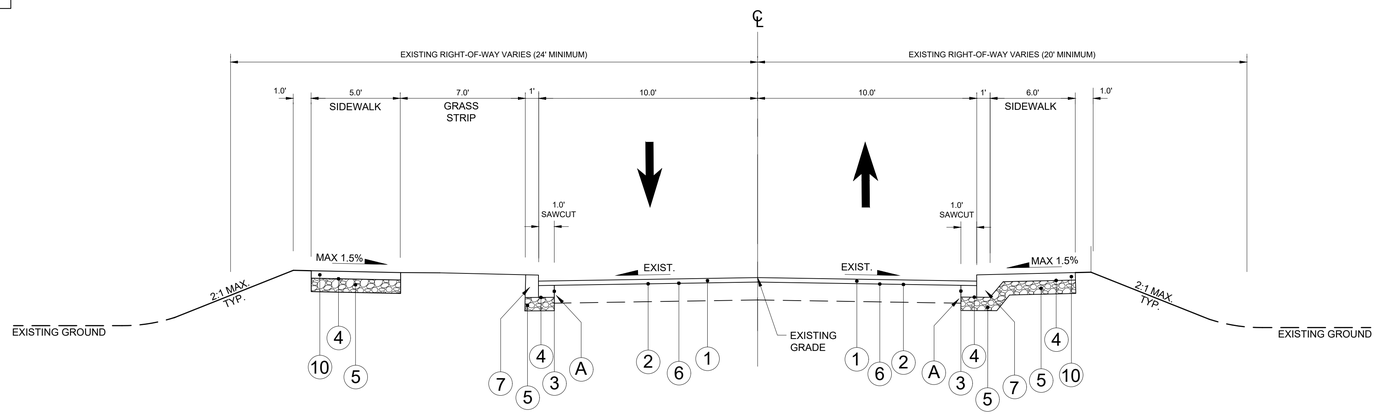
DESIGNED BY: BJV
DRAWN BY: EJBF
CHECKED BY: DED
DATE: 03/13/2024
KIMLEY-HORN PROJECT NO. 118019006

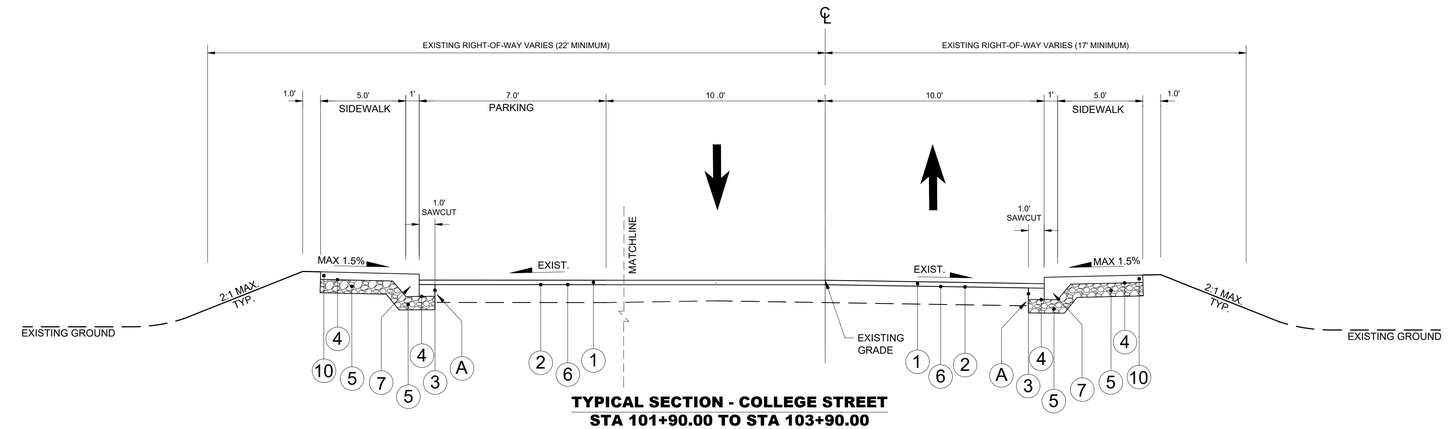
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

SHEET NUMBER
1A

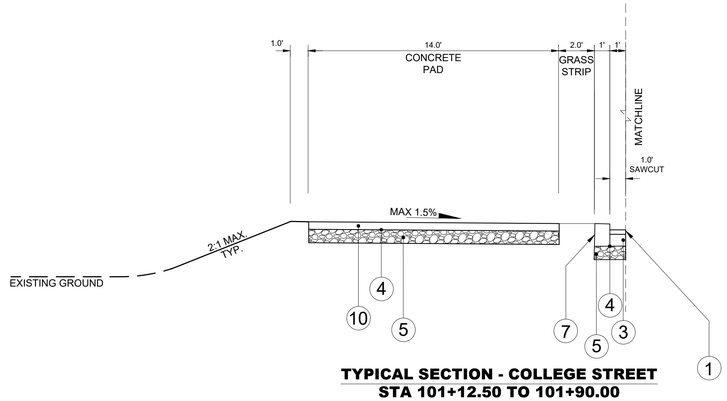
NOTE:
-CROSSWALK AREA TO BE REMOVED AT ALL INTERSECTIONS, TO BE REPLACED WITH FULL DEPTH
-SEE DETAIL #6, SHEET 2G1



TYPICAL SECTION - COLLEGE STREET
STA 100+00.00 TO 101+12.50
STA 103+90.00 TO 106+32.00
STA 107+80.00 TO 108+24.00



TYPICAL SECTION - COLLEGE STREET
STA 101+90.00 TO STA 103+90.00
STA 106+32.00 TO STA 107+80.00



TYPICAL SECTION - COLLEGE STREET
STA 101+12.50 TO 101+90.00

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CITY OF MARYVILLE
MARYVILLE, TN

City of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
TENNESSEE REGISTERED ENGINEER
No. 125719
ARCHITECTURE
03/13/2024
COMMERCE
STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
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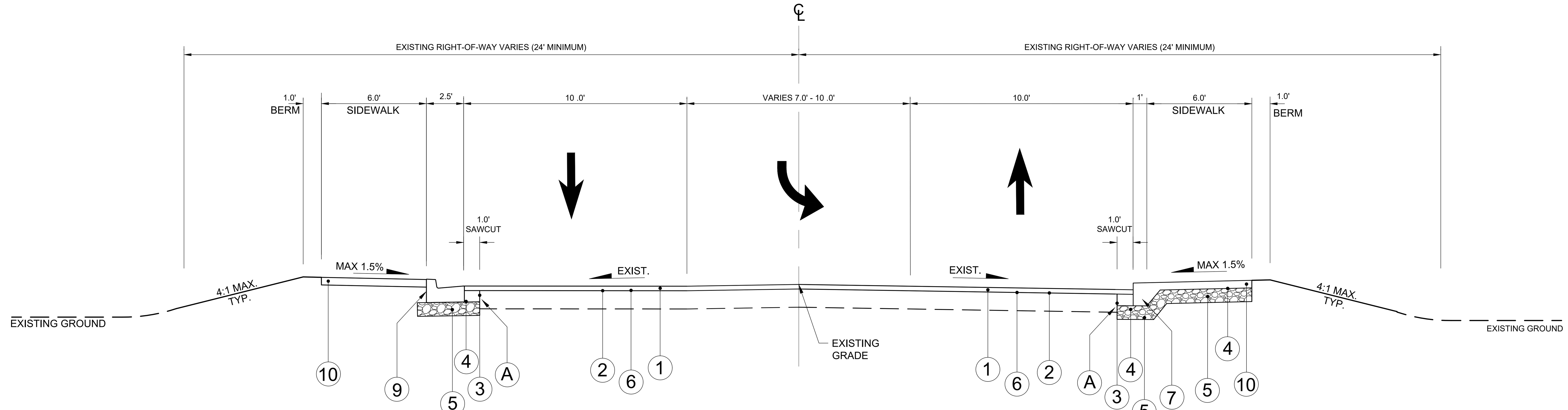
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

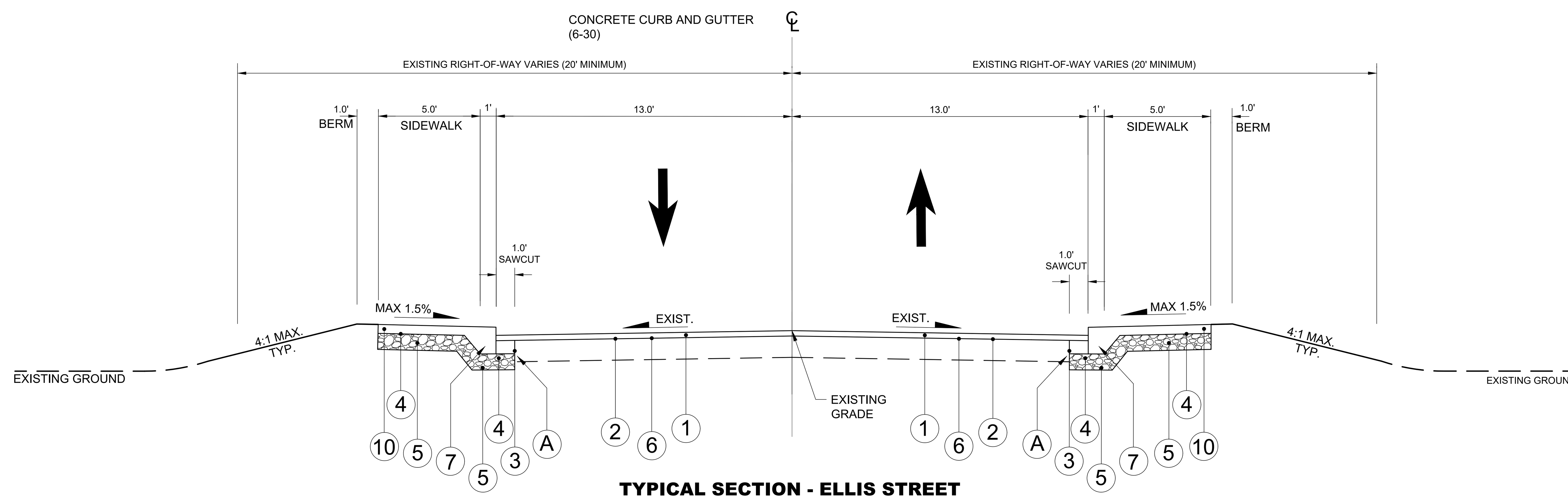
TYPICAL SECTIONS

SHEET NUMBER
2B

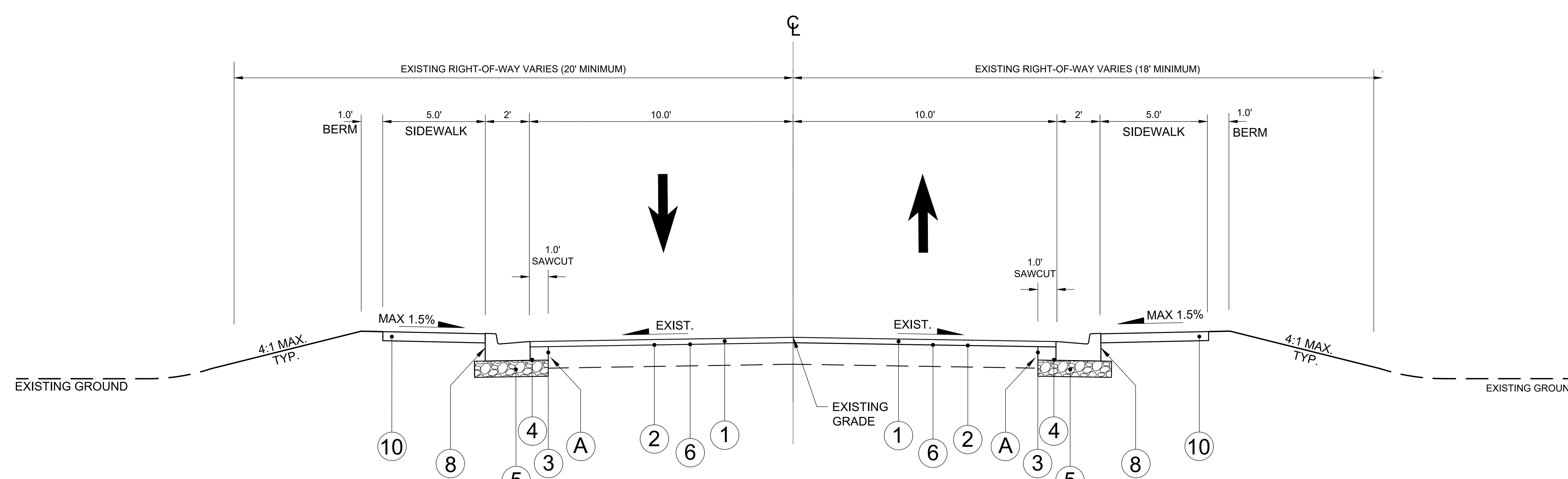
NOTE:
-CROSSWALK AREA TO BE REMOVED AT ALL INTERSECTIONS, TO BE REPLACED WITH FULL DEPTH
-SEE DETAIL #6, SHEET 2G1



TYPICAL SECTION - E. CHURCH AVENUE
STA 200+60 TO STA 201+55



TYPICAL SECTION - ELLIS STREET
STA 300+50 TO STA 301+50



TYPICAL SECTION - HIGH STREET
STA 400+55 TO STA 401+50

PROPOSED PAVEMENT SCHEDULE - ALL ROADWAYS	
1	ASPHALTIC CONCRETE SURFACES AT 1.5" THICK ITEM NO. 411-01.10 ACS MIX (PG64-22) GRADING D
2	TACK COAT ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
3	CONCRETE AT 6.5" THICK ITEM NO. 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)
4	PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (0.30-0.35 GAL/SY) ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) (8-12 LB/SY)
5	MINERAL AGGREGATE BASE @ 4" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
6	1.5" ASPHALT MILLING ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT
7	CONCRETE CURB ITEM NO. 702-01 CONCRETE CURB
8	6-24 CURB AND GUTTER ITEM NO. 702-03 CONCRETE COMBINED CURB AND GUTTER
9	6-30 CURB AND GUTTER ITEM NO. 702-03 CONCRETE COMBINED CURB AND GUTTER
10	CONCRETE SIDEWALK (4") ITEM NO. 701-01.01 CONCRETE SIDEWALK (4")
A	EXISTING PAVEMENT TO BE SAW-CUT AND TRIMMED TO STRAIGHT VERTICAL LINE AND LOOSE OR DISTURBED PAVEMENT MUST BE REMOVED AND REPLACED.

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COLLEGE STREET ROADWAY IMPROVEMENTS
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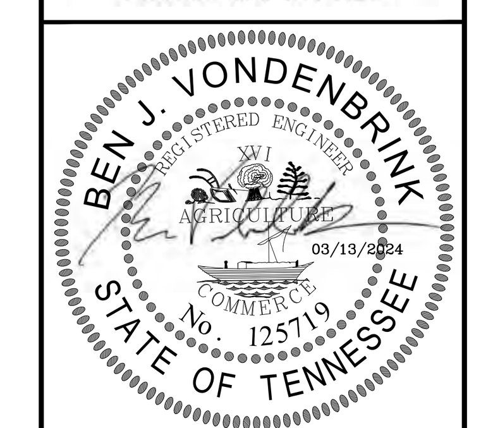

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DESIGNED BY: BJV
DRAWN BY: EJBF
CHECKED BY: DED
DATE: 03/13/2024
KIMLEY-HORN PROJECT NO. 118019006

TYPICAL SECTIONS

SHEET NUMBER
2B1

NOTE:
-CROSSWALK AREA TO BE REMOVED AT ALL INTERSECTIONS, TO BE REPLACED WITH FULL DEPTH
-SEE DETAIL #6, SHEET 2G1

CONTRACTOR RESPONSIBILITIES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

   A. THE CONTRACTOR SHALL VERIFY ALL PROPOSED AND EXISTING CONDITIONS INCLUDING UTILITIES (INVERTS, CONNECTIONS, MATERIALS, ETC.) AND DIMENSIONS WITHIN THE LIMITS OF WORK PRIOR TO THE START OF CONSTRUCTION.

   B. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED BUILDING INFORMATION.

   C. THE CONTRACTOR IS RESPONSIBLE FOR ALL NOTIFICATIONS AND LIAISONS WITH UTILITY COMPANIES DURING THE PROCESS OF LOCATING, RELOCATING, AND TYING INTO PUBLIC UTILITIES.

   D. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

2. DURING CONSTRUCTION:

   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.

   B. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS. WHERE A CONFLICT OCCURS, THE STRICTEST DESIGN SHALL GOVERN. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE SPECIFIC DEVIATION.

   C. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

   D. ALL CONSTRUCTION MUST CONFORM TO THE STANDARDS, SPECIFICATIONS, AND CODES OF THE GOVERNING MUNICIPALITIES.

   E. CONSTRUCTION SHALL MEET ALL CURRENT STANDARDS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT.

   F. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.

   G. SUFFICIENT BARRICADES, LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS IN ACCORDANCE WITH GOVERNING ORDINANCES MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC. SAID CONTROL DEVICES SHALL BE PER THE MANUAL OF TRAFFIC CONTROL DEVICES, M.U.T.C.D., CURRENT EDITION, AND SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.

   H. TRAFFIC CONTROLS AND OTHER WARNING DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK ON CITY, COUNTY, OR TENNESSEE DEPARTMENT OF TRANSPORTATION ROADS. THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL WORK.

   I. ALL WARNING DEVICES SHALL BE EITHER TYPE I BARRICADES OR DRUMS WITH WARNING LIGHTS ON EVERY OTHER DEVICE. THEY SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND CITY OF MARYVILLE STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.

   J. FIRE DEPARTMENT ACCESS SHALL BE MAINTAINED AT ALL TIMES.

   K. CONTRACTOR SHALL SHORE AND BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, THERMAL, CONSTRUCTION, AND MISCELLANEOUS LOADS DURING CONSTRUCTION.

   L. ON-SITE BURIAL OF DEBRIS IS PROHIBITED.

   M. UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS TO THE ENGINEER. DESIGN DOCUMENTS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS.

   N. IN CASE OF UNFORESEEN CONSTRUCTION COMPLICATIONS OR DISCREPANCIES, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.

   O. ALL REQUIRED TESTING REPORTS SHALL BE AVAILABLE AT THE JOB SITE.

   P. AS-BUILT DRAWINGS OF ROADWAYS, STORM DRAINS, SANITARY SEWER AND WATER LINES, FIELD APPROVAL BY THE ENGINEER, AND ALL APPLICABLE BONDS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE OWNER.

   Q. CONTRACTOR SHALL MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL EXISTING BUILDINGS THROUGHOUT CONSTRUCTION UNLESS APPROVAL FOR SERVICE INTERRUPTION IS OBTAINED FROM THE OWNERS IN ADVANCE.

   R. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO ENSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.

   S. ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.

   T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.

   U. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS, ETC.

   V. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER. THE CONTRACTOR WILL INDEMNIFY THE OWNER & OWNER'S REPRESENTATIVE FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.

   W. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, BLASTING, PUBLIC INFRASTRUCTURE, STORMWATER REGULATIONS, ETC.

   X. THE CONTRACTOR IS TO CHECK AND VERIFY ALL MEASUREMENTS, LEVELS, ETC. BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WORK, AND IS TO BE RESPONSIBLE FOR THE SAME.

   Y. REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.

   Z. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.

   AA. LANE CLOSURES MUST BE APPROVED BY THE CITY ENGINEER MUST SUBMIT TRAFFIC CONTROL PLAN, WORK SCHEDULE AND LANE CLOSURE REQUEST BY FRIDAY THE WEEK BEFORE THE WORK START DATE.

DEMOLITION INFORMATION:

1. NOTIFICATIONS:

   THE CONTRACTOR SHALL NOTIFY THE OWNER AND CITY INSPECTOR(S) 24 HOURS PRIOR TO ANY DEMOLITION OR CONSTRUCTION.

2. DISPOSAL GUIDELINES:

   A. ONLY ITEMS SPECIFICALLY NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE.

   B. REMOVE EXISTING PAVED AREAS AS SHOWN INCLUDING DRIVEWAYS, SIDEWALKS, PARKING AREAS, SERVICE AREAS, EQUIPMENT PADS, AND ALL MISCELLANEOUS PAVING.

   C. ALL DEBRIS RESULTING FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR IN ACCORDANCE WITH LOCAL STATE AND FEDERAL REGULATIONS. BACKFILL ALL TRENCHES AND EXCAVATIONS RESULTING FROM DEMOLITION.

   D. ALL DEMOLISHED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.

3. TREE PROTECTION GUIDELINES:

   PROTECT ALL EXISTING TREES NOTED "TO REMAIN" AND ALL ITEMS TO BE TURNED OVER TO THE OWNER DURING DEMOLITION. TAKE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES. ANY EXISTING ITEMS TO BE TURNED OVER TO THE OWNER WHICH ARE DAMAGED DURING DEMOLITION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. TREES WHICH ARE DAMAGED WILL BE REPLACED OR REIMBURSED AT A RATE TO BE DETERMINED BY THE OWNER.

4. UTILITIES:

   A. PRIOR TO REMOVING OR ABANDONING ANY UTILITY THE CONTRACTOR SHALL VERIFY THAT NO UPSTREAM SERVICE WILL BE TERMINATED. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY TERMINATION NOT SHOWN ON THE PLANS.

   B. ALL ABANDONED WATER LINES, STORM SEWER PIPE, SANITARY SEWER PIPES, GAS LINES, OR ANY OTHER ABANDONED UNDERGROUND UTILITY SHALL BE ABANDONED IN PLACE UNLESS NOTED OTHERWISE.

SITE INFORMATION:

1. THE FOLLOWING ARE APPLICABLE TO ALL CIVIL DOCUMENTS:

   A. WHERE A DETAIL SECTION, TYPICAL SECTION, OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED ON THE PLANS.

   B. EXISTING AND PROPOSED CONTOURS ARE AT ONE (1) FOOT INTERVALS.

   C. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

   D. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE.

   E. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.

EROSION AND SEDIMENT CONTROL INFORMATION:

1. COMPREHENSIVE:

   A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

   B. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE AT A MINIMUM IN CONFORMANCE WITH THE REQUIREMENTS OF THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOKS. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

   C. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE STANDARDS SPECIFIED IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOKS, CURRENT EDITION.

   D. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

   E. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

   F. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.

   G. CONSTRUCTION EXITS SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE AND SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE AS CONDITIONS DEMAND, REPAIR, AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OFF SITE ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. ACCESS POINTS PROTECTED WITH A CONSTRUCTION EXIT SHALL BE OTHERWISE BARRICADED UNTIL THE SITE IS STABILIZED.

ADA COMPLIANCE:

A. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.

B. PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA STANDARDS AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FLARES.

C. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.

D. ANY COMPONENTS OF THE PROJECT SERVING MULTIFAMILY DWELLINGS IN BUILDINGS THAT HAVE 4 OR MORE UNITS PER DWELLING SHALL ALSO CONFORM TO THE FAIR HOUSING ACT (FHA), AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.

CLEARING AND GRUBBING:

A. DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.

B. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION LINE SHALL NOT BE CROSSED BY HEAVY EQUIPMENT OR USED FOR STORING HEAVY EQUIPMENT OR MATERIALS.

C. NO EQUIPMENT SHALL BE STORED UNDER THE DRIP LINE OF TREES TO REMAIN.

D. DO NOT FALL ANY TREES OR PUSH PILES OF DEBRIS AGAINST ANY TREES TO REMAIN.

E. REMOVE ALL STUMPS, ROCKS, ASPHALT & CONCRETE DEBRIS, ETC. AND DISPOSE OFF SITE IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

F. CONTACT ALL UTILITY AUTHORITIES WHO HAVE LINES WITHIN THE CLEARING AND GRUBBING LIMITS BEFORE STARTING WORK

E. ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING.

F. AFTER STAKING IS COMPLETED, TREES WITHIN GRADING LIMITS TO BE SAVED WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. FIELD CHANGES TO GRADING PLANS SHALL BE MADE FOR SMOOTH TRANSITION OF GRADES AROUND ALL TREES WHICH REQUITE TREE WELLS WITHIN THE GRADING LIMITS.

G. ALL CLEARING SHALL BE LIMITED TO AREAS TO BE GRADED WITHIN 15 CALENDAR DAYS.

PAVEMENT INFORMATION:

1. PAVEMENT:

   A. ALL MATERIALS, EQUIPMENT, METHODS OF CONSTRUCTION, AND WORKMANSHIP SHALL CONFORM TO THE TENNESSEE DEPARTMENT OF TRANSPORTATION, TDOT, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

   B. SEE PAVEMENT DETAILS ON CONSTRUCTION DOCUMENTS FOR SPECIFIC DESIGN INFORMATION AND REQUIREMENTS.

   C. ALL CURB AND GUTTER TO BE 24" AND CONSTRUCTED OF 3000 P.S.I. CONCRETE UNLESS OTHERWISE NOTED.

2. SIGNING AND STRIPING:

   A. SIGNING AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING TO THE DRAWINGS AND SPECIFICATIONS.

   B. ALL PAVEMENT MARKINGS SHALL CONFORM TO CURRENT MUTCD STANDARDS. ALL PAVEMENT MARKINGS ON PRIVATE PROPERTY SHALL BE PAINT, UNLESS NOTED OTHERWISE. ALL PAVEMENT MARKINGS ON PUBLIC RIGHT-OF-WAY SHALL BE THERMOPLASTIC, UNLESS NOTED OTHERWISE.

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 125719 — 03/13/24 — STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
1			
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DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

GENERAL NOTES

SHEET NUMBER
2C

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 42 C.B. 611-42.01 0' - 4'	TYPE 42 C.B. 611-42.07 4' - 8'	TYPE 3 M.H. 611-01.02 4' - 8'	REMARKS
5A	ELLIS	300+55.00	12.0	CB-01	920.84	#42	3'X4'	3.94	D-CB-42RB		1			
5A	COLLEGE	105+25.00	10.0	CB-02	923.67	#42	3'X4'	4.72	D-CB-42RB			1		
5A	COLLEGE	104+90.00	-13.35	CB-03	920.17	#42	5'	4.05	D-CB-42RB			1		
5A	HIGH	401+30.00	-10	CB-04	943.68	#12	5'	3.94	D-CB-12RB	1				
5A	HIGH	401+35.00	10.5	CB-05	943.75	#12	5'	3.94	D-CB-12RB	1				
6A	MARYVILLE	104+90.00	-2.46	MH-01	920.09	MH #3	5'	6.00	D-MH-2				1	Replace existing catch basin with manhole.
6A	HIGH	401+15.00	1.75	MH-02	943.54	MH #3	5'	5.75	D-MH-2				EX.	Existing manhole to remain in place.
TOTALS										2	1	2	1	

STORM DRAINAGE PIPES

SHEET NO.	FROM		TO		% GRADE	RCP CLASS III 607-01.02 12" (L.F.)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		
5A	CB-01	916.90	MH-01	916.00	3.24	28
5A	CB-02	919.00	MH-01	916.00	9.32	32
5A	CB-03	915.98	EX-01	914.14	11.95	EX.
5A	MH-01	915.49	EX-01	914.14	9.57	EX.
6A	CB-04	939.74	EX-02	939.40	2.00	17
6A	CB-05	939.81	EX-02	939.40	2.11	19
TOTALS						97

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COLLEGE STREET ROADWAY IMPROVEMENTS
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MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 125719
03/13/2024
STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
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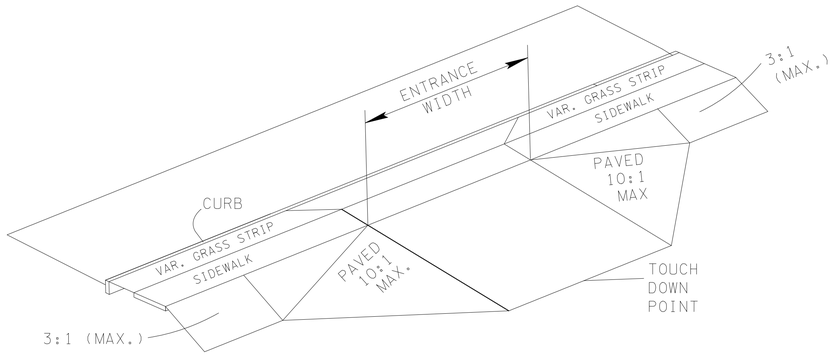
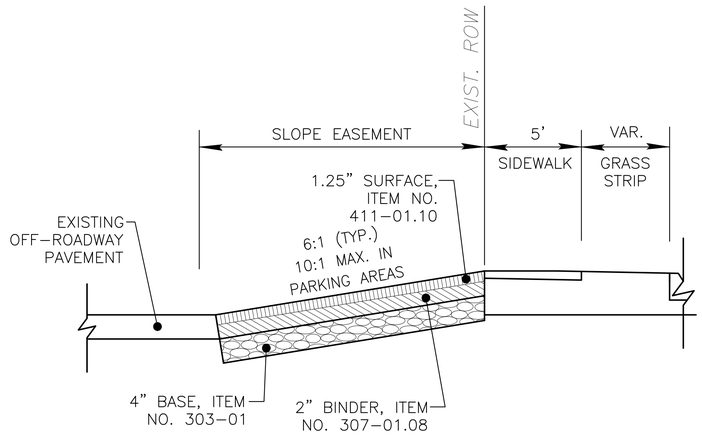
DESIGNED BY: BJV
DRAWN BY: EJBF
CHECKED BY: DED
DATE: 03/13/2024
KIMLEY-HORN PROJECT NO. 118019006

TABULATED QUANTITIES

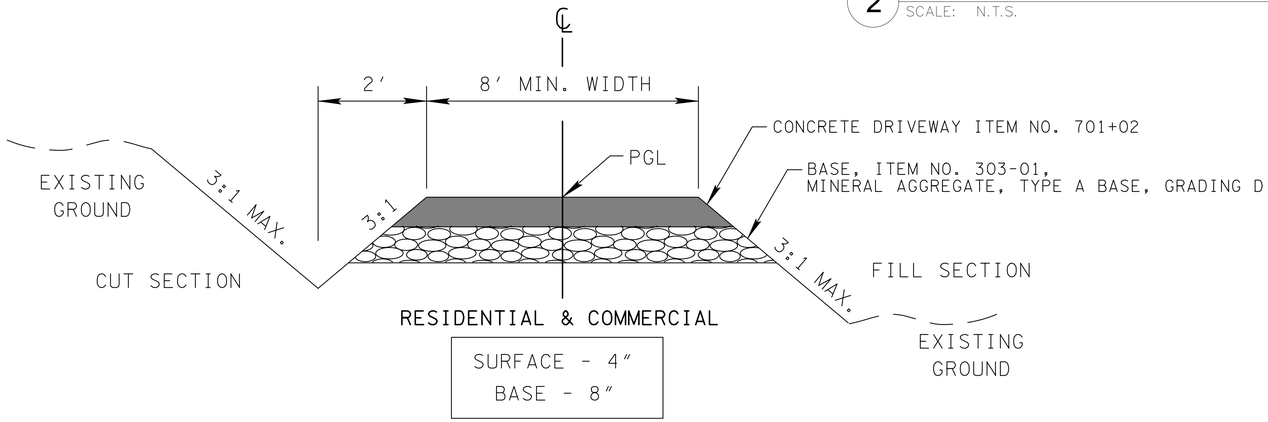
SHEET NUMBER
2D



1 BUSINESS ENTRANCE TO PARKING AREAS
SCALE: N.T.S.



2 SLOPE TREATMENT IN PAVED AREAS
SCALE: N.T.S.



3 CONCRETE DRIVEWAY TYPICAL SECTION
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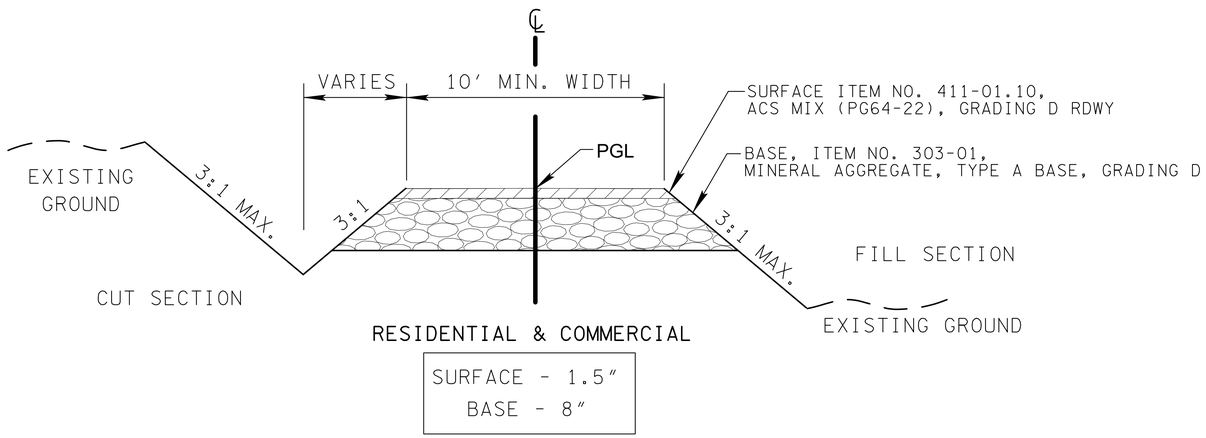

4 ASPHALT DRIVEWAY TYPICAL SECTION
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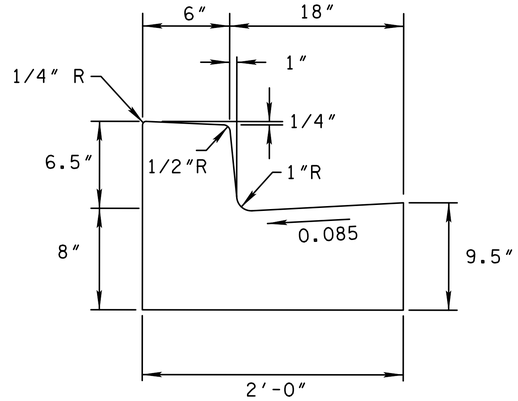

5 6-24 CURB & GUTTER
SCALE: N.T.S.

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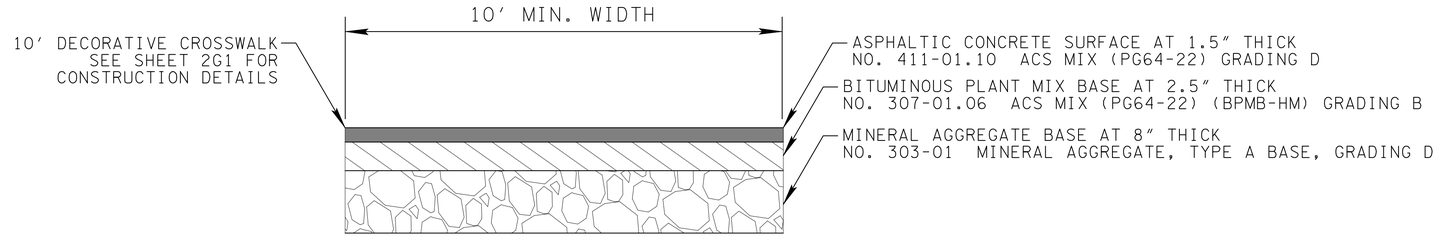
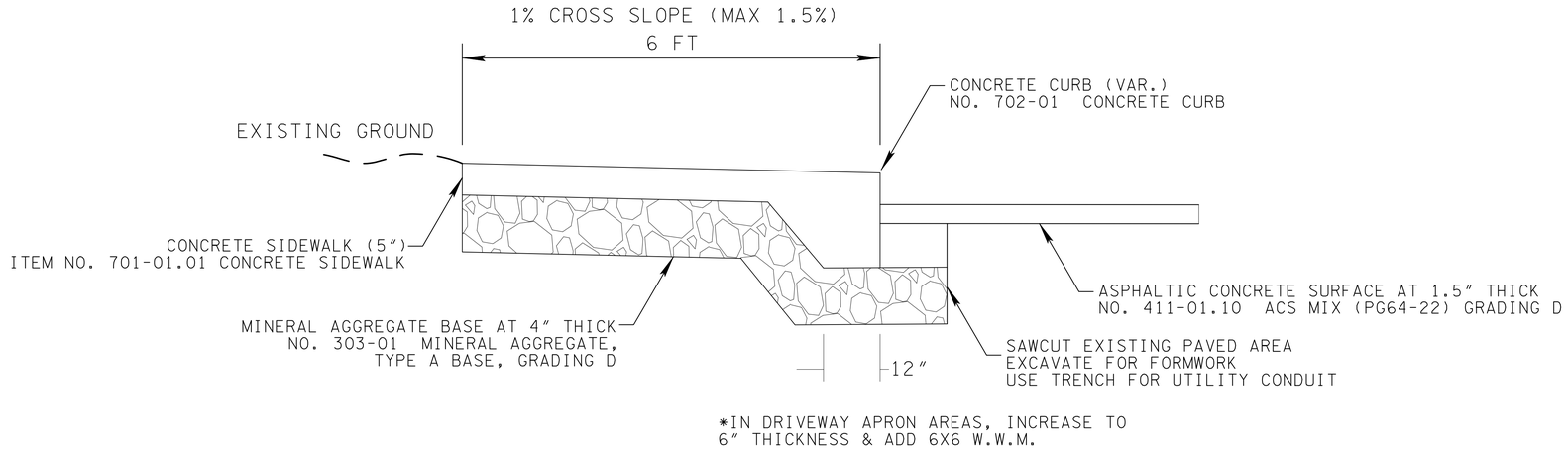
DETAIL SHEET

SHEET NUMBER
2G



6 CROSSWALK FULL DEPTH REPLACEMENT

SCALE: N.T.S.



*IN DRIVEWAY APRON AREAS, INCREASE TO
6" THICKNESS & ADD 6X6 W.W.M.

7 TYPICAL 5" THICK INTEGRAL CURB SIDEWALK (4" CURB HEIGHT)

SCALE: N.T.S.

MIN 4,000 PSI CONCRETE W/AIR ENTRAINMENT

NOTE:
CONTRACTOR SHALL ROUND EDGES TO 3/4"
DO NOT USE "PICTURE WINDOW" EDGES
USE LIGHT BROOM FINISH & CONCRETE SEALER

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MARYVILLE, TN

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STATE OF TENNESSEE
REGISTERED ENGINEER
No. 125719
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KIMLEY-HORN PROJECT NO.	118019006

DETAIL SHEET

SHEET NUMBER
2G1

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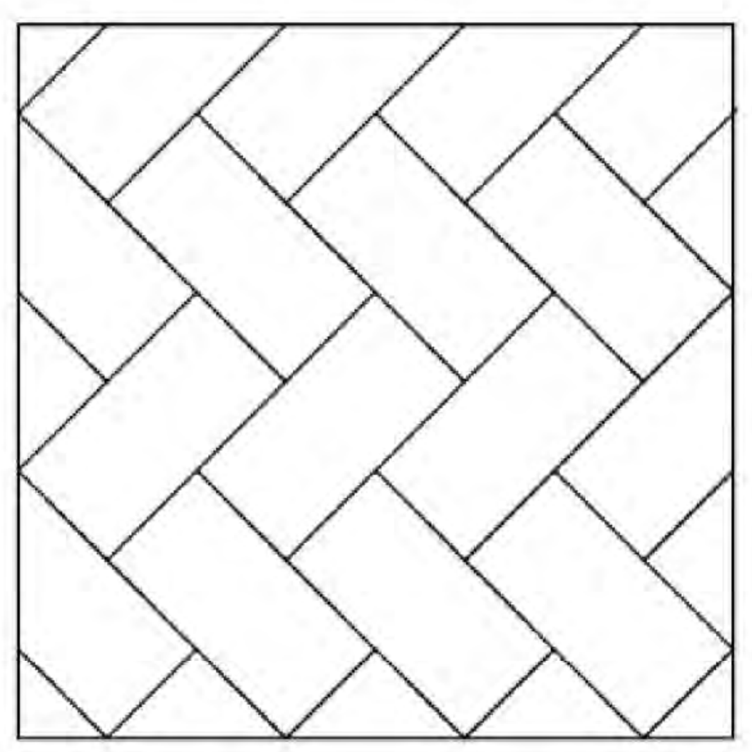
☑ SELECT DESIRED COLOR:

- ☐ CLASSIC BLEND
- ☐ RUSTIC BLEND
- ☐ SUNSET BLEND



PLAN VIEW

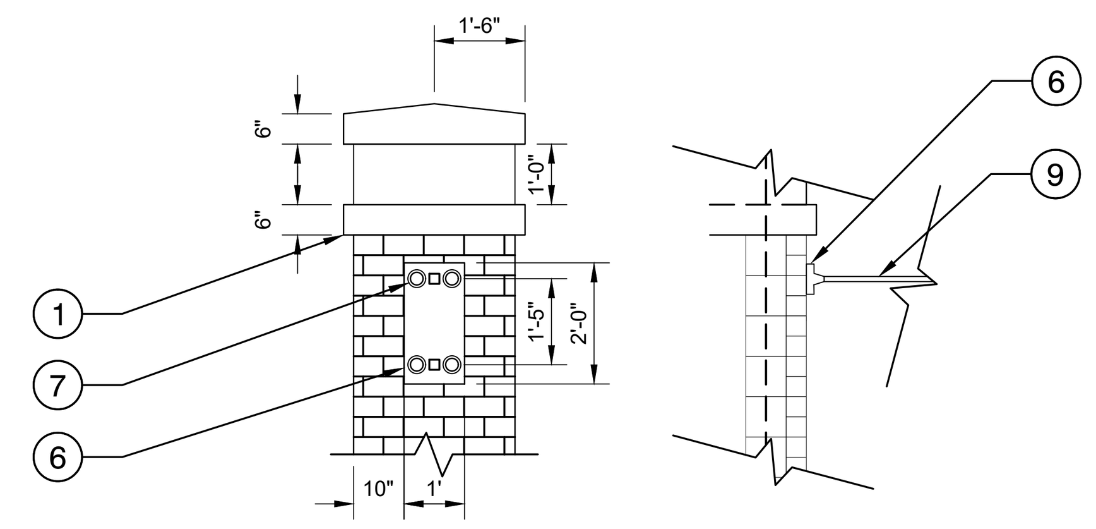
- 2' X 2' SHEET
- ENGINEERED AS HEAVY-DUTY INTERSECTION GRADE PAVEMENT MARKING MATERIAL WITH ENHANCED DURABILITY
- 125-MIL; MULTI-COLOR INTERCONNECTED SHEETS OF MATERIAL
- HIGH SKID/SLIP RESISTANT FOR SAFETY. AS MATERIAL WEARS, NEW ANTI-SKID ELEMENTS ARE EXPOSED.
- DOES NOT ALTER SUBSTRATE
- ELIMINATES THE MAINTENANCE AND SAFETY CONCERNS OF LOOSE PAVERS
- REQUIRES INSTALLATION BY A TRAFFICSCAPES CERTIFIED APPLICATOR
- APPLY WITH RECOMMENDED PROPANE HEAT TORCH AND/OR STREET HEAT TM INFRARED HEATER
- CAN BE APPLIED ON NEW ASPHALT AS SOON AS THE ROAD SURFACE COOLS AND SETS
- DOES NOT REQUIRE STAMPING TEMPLATES OR GRIDS
- OPEN TO TRAFFIC MINUTES AFTER APPLICATION
- ADA COMPLIANT - PEDESTRIAN AND WHEELCHAIR FRIENDLY SURFACE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 4758-056.

TRAFFIC PATTERNS GF™
"GROUT - FREE" DECORATIVE CROSSWALKS

TRAFFIC PATTERNS GF™: HERRINGBONE

4758-056 REVISION DATE 06/10/2016



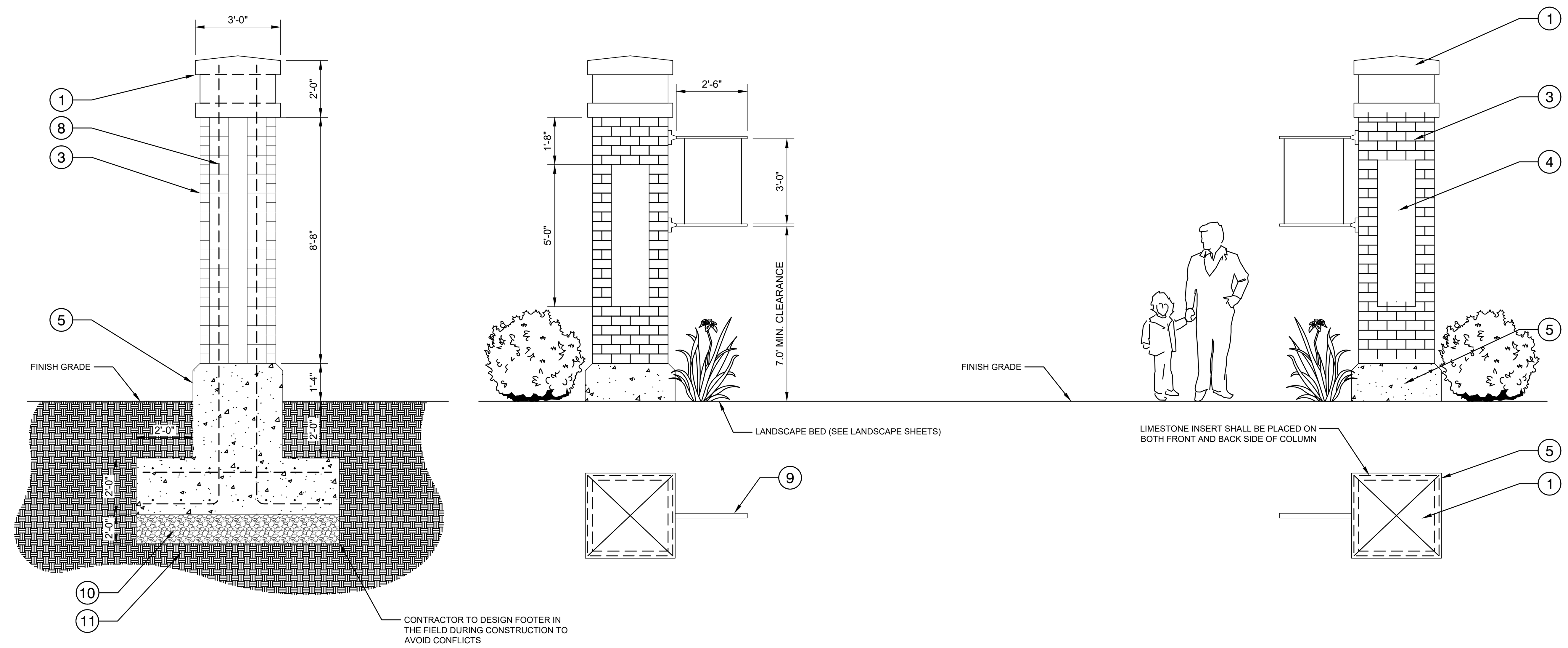
1. 3 PIECE LIMETSTONE CAP. SEE MATERIAL SPECIFICATIONS
2. STEEL SIGNAGE (SEE SAME DETAIL)
3. MODULAR SIZED RED BRICK IN RUNNING BOND. SEE MATERIAL SPECIFICATIONS
4. 5' x 1'–4" LIMESTONE INSET DETAIL. SEE MATERIAL SPECIFICATIONS
5. P.C. CONCRETE SPREAD FOOTING, MINIMUM 3,500 PSI
6. LAMP POST BRACKETS
7. 14" BOLTS WITH WASHER
8. #4 REBAR (VERTICAL) SET IN FOOTING, SPACED 32" O.C. CONTINUOUS THROUGH WALL, TIE TO REBAR IN WALL
9. 30" STEEL TUBE
10. COMPACTED AGGREGATE
11. 95% MIN. COMPACTED SUB–GRADE AND AGGREGATE BASE

GENERAL NOTES:

1. FOR DESIGN INTENT ONLY
2. FOOTINGS AND REINFORCEMENTS TO BE REVIEWED AND APPROVED BY CITY STRUCTURAL ENGINEER

MATERIAL SPECIFICATIONS:

- **BRICK**
  - SIZE: **MODULAR**
  - COLOR: **RED**
  - FINISH: **WIRE CUT**
- **GROUT**
  - COLOR: **GRAY**
  - TOOLING: **CONCAVE**
- **LIMESTONE CAP**
  - COLOR: **INDIANA LIMESTONE**
  - FINISH: **HONED**



8 CITY OF MARYVILLE SIGN

N.T.S.

PO–MA2–04

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 125719
STATE OF TENNESSEE
03/13/2024

No.	REVISIONS	DATE	BY
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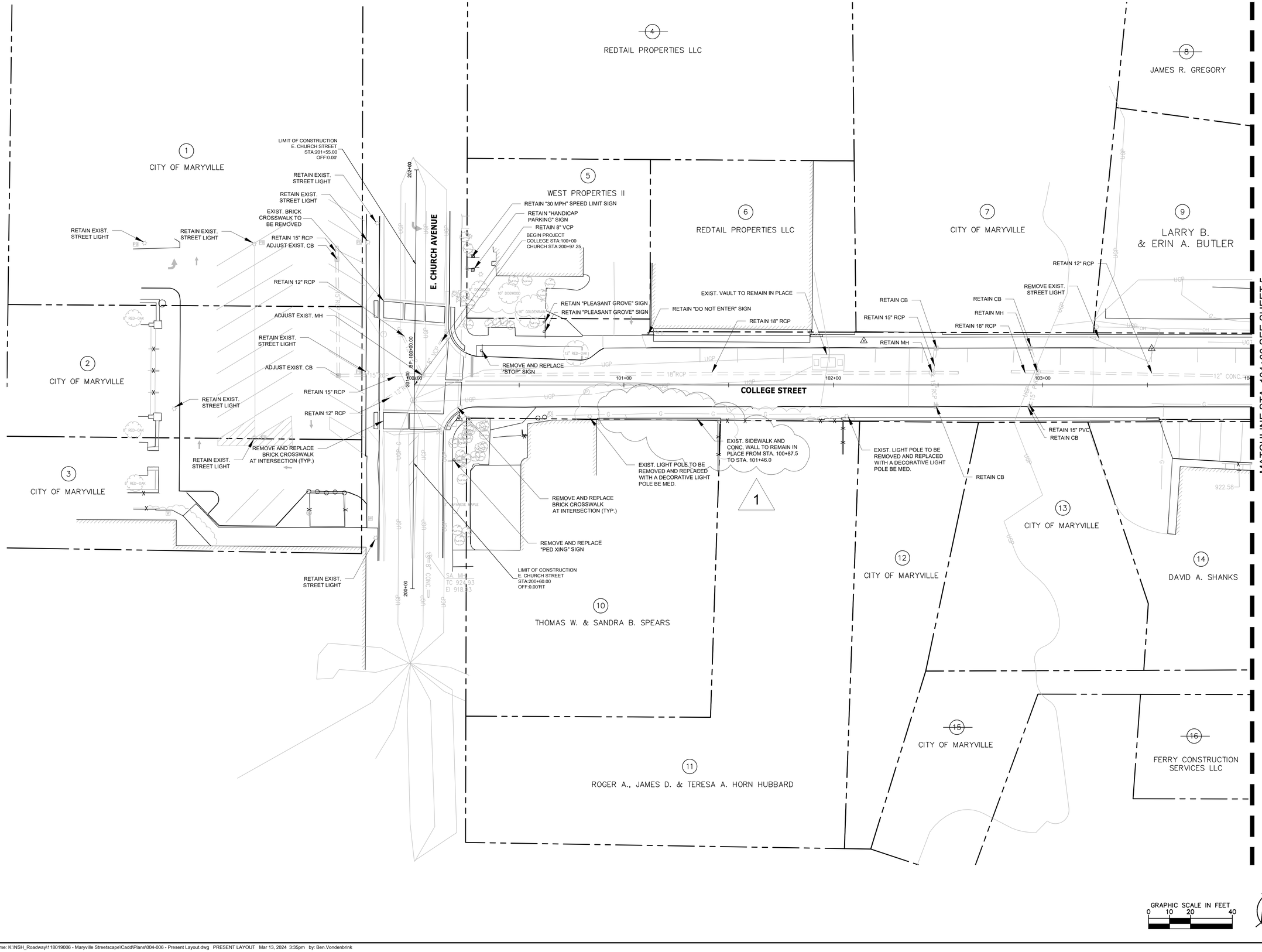
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO. 118019006	

DETAIL SHEET

SHEET NUMBER

2G2



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET ROADWAY IMPROVEMENTS
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AGRICULTURE
COMMERCE
No. 125719
STATE OF TENNESSEE
03/13/24

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	03/13/24	KH
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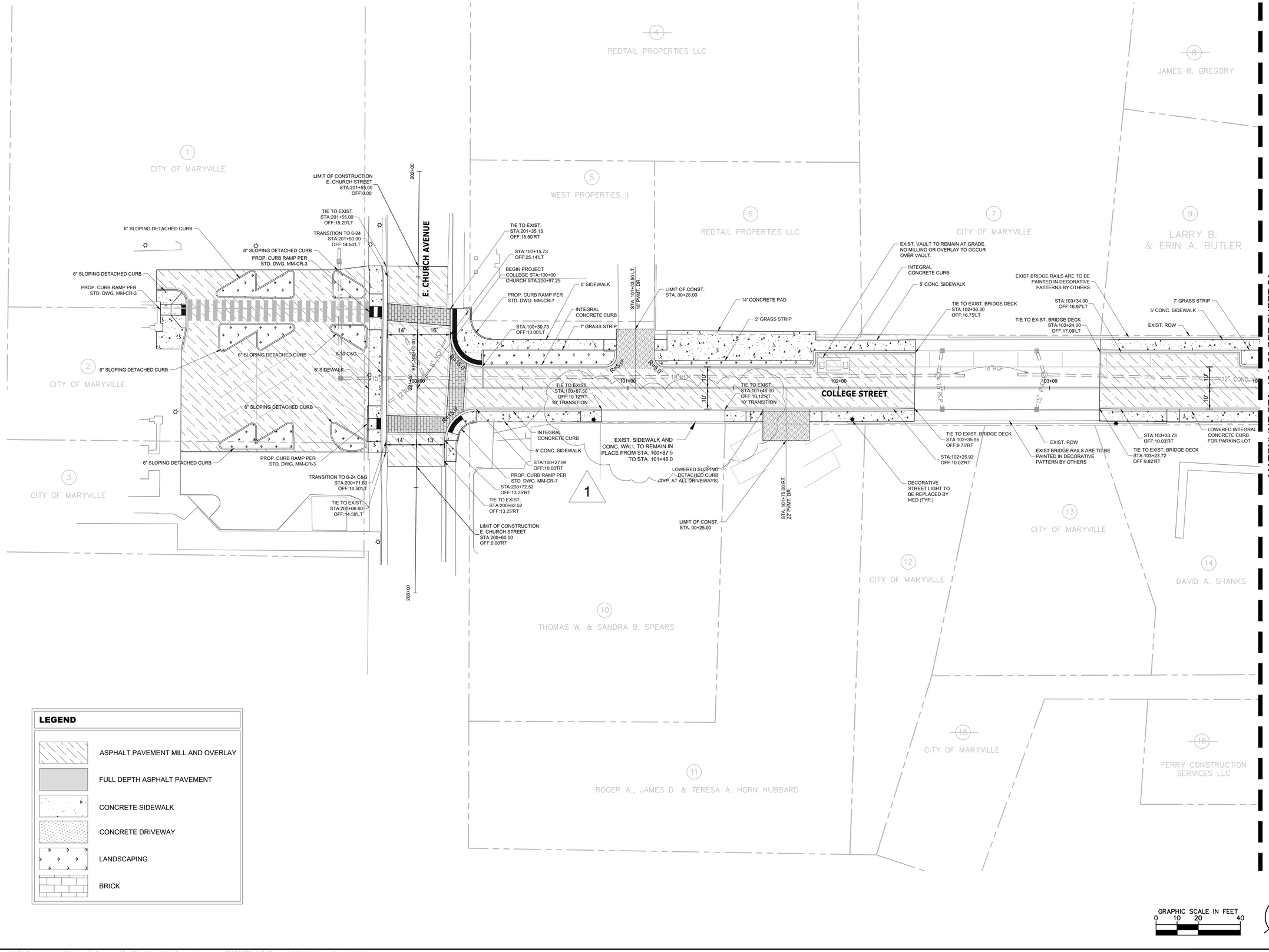
DESIGNED BY: BJV
DRAWN BY: EJBF
CHECKED BY: DED
DATE: 03/13/2024
KIMLEY-HORN PROJECT NO. 118019006

PRESENT LAYOUT

SHEET NUMBER
4



LEGEND

- ASPHALT PAVEMENT MILL AND OVERLAY
- FULL DEPTH ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- LANDSCAPING
- BRICK

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGENT OF RECORD
03/13/2024
COMMERCIAL
No. 125715
STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	03/13/24	KH
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DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
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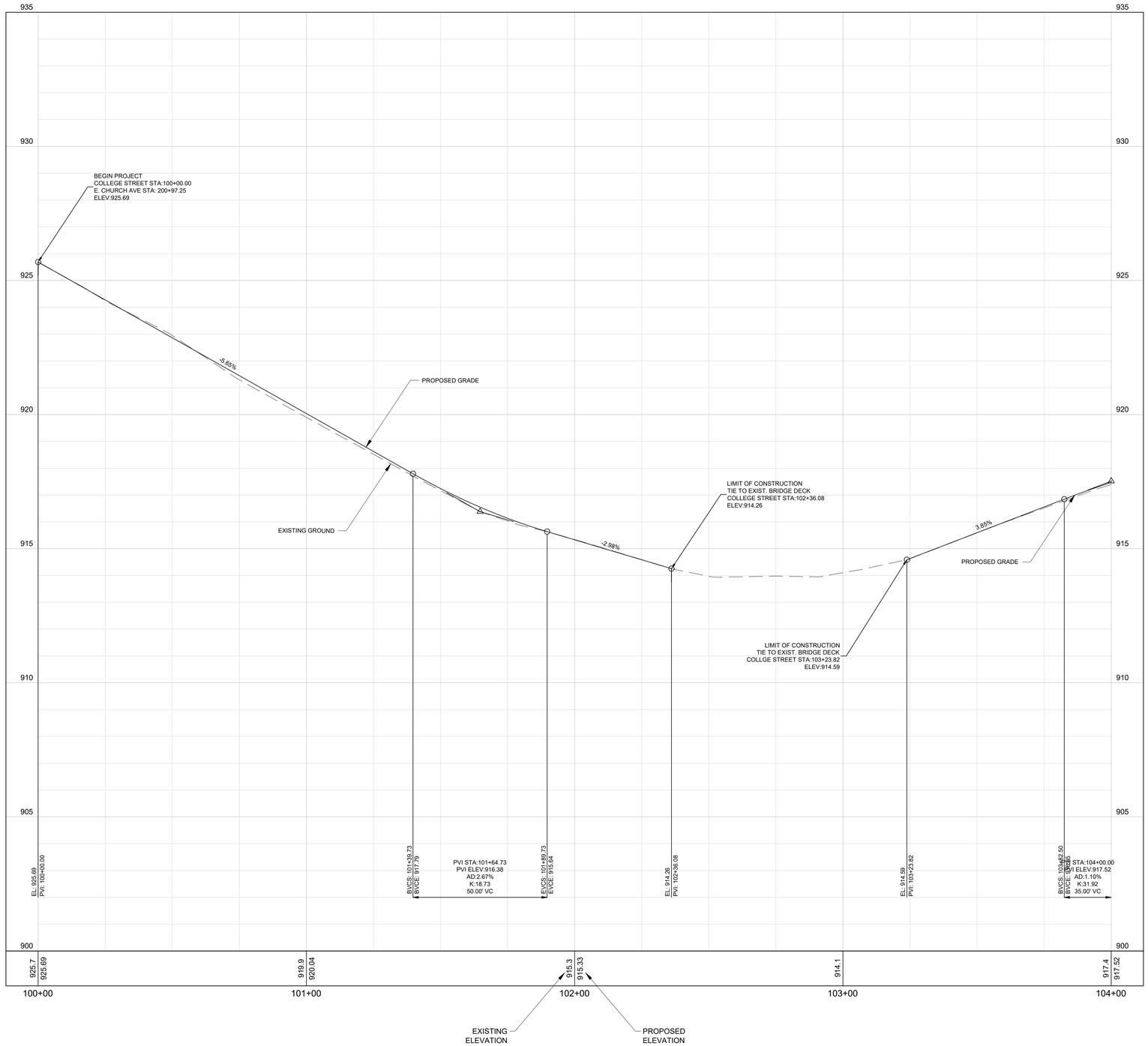
KIMLEY-HORN PROJECT NO.	118019006

PROPOSED LAYOUT

SHEET NUMBER
4A

Drawing name: K:\NSH_Roadway\118019006 - Maryville Streetscape\Cadd\Plans\004A-006A - Proposed Layout.dwg PROPOSED LAYOUT Mar 13, 2024 3:35pm by: Ben.Vondenbrink



COLLEGE STREET PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 1 2 4
VERTICAL

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COLLEGE STREET ROADWAY
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MARYVILLE, TN

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03/13/24
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REG. 125719
STATE OF TENNESSEE

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DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

MAINLINE PROFILE

SHEET NUMBER
4B

MATCHLINE STA. 104+00 SEE SHEET 4

MATCHLINE SEE SHEET 6

8 JAMES R. GREGORY

9 LARRY B. & ERIN A. BUTLER

17 NEW PROVIDENCE LODGE 128

20 ROBERT & BETTY FORD

18 OLIVER S. THOMAS

19 ROBERT M. COHEN

27 GANDOLFO PROPERTIES LLC

28 DONALD A. & POLLY P. WALKER

14 DAVID A. SHANKS

21 MITCHELL L. LAW

16 FERRY CONSTRUCTION SERVICES LLC

22 MBR PROPERTIES, LP

23 CHARLES B. DUNGAN JR. & MICHAEL H. MEARES

24 LAURA J. & MICHAEL H. WEBB

25 MICHAEL H. MEARES & LAURA J. WEBB

26 MARTHA MEARES & RICHARD G. SHARPIN JR.

29 MELISSA J. CONNER

30 JOSEPH E. COSTNER JR.

ELLIS AVENUE

HIGH STREET

COLLEGE STREET

PED. BRIDGE SIDEWALK

LIMIT OF CONSTRUCTION ELLIS AVENUE STA:301+50.00 OFF:0.00'

EXIST. LIGHT POLE TO BE REMOVED AND REPLACED WITH A DECORATIVE LIGHT POLE BY MED.

REMOVE AND REPLACE "STOP" SIGN

REWORK EXIST. CB

RETAIN 6" VCP

REWORK EXIST. MH

REPLACE EXIST. CB WITH A NEW MH

REMOVE AND REPLACE STOP" SIGN

TIE EQUALITY COLLEGE STA:104+75.36 ELLIS STA:300+96.85

RETAIN "HICKS & LAW INSURORS" SIGN

RETAIN "HICKS & LAW INSURORS" SIGN

EXIST. LIGHT POLE TO BE REMOVED AND REPLACED WITH A DECORATIVE LIGHT POLE BY MED.

REMOVE EXIST. CB

RETAIN 4" PVC

LIMIT OF CONSTRUCTION ELLIS AVENNUE STA:300+50.00 OFF:0.00'

RETAIN "DUGAN MYERS & WEBB" SIGN

REMOVE EXIST. CB

REMOVE 15" RCP

ADJUST EXIST. MH

RETAIN "MEARS & DILLARD ATTORNEYS" SIGN

REMOVE AND REPLACE "STOP" SIGN

ELECTRICAL BOX TO REMAIN IN PLACE

EXIST. LIGHT POLE TO BE REMOVED AND REPLACED WITH A DECORATIVE LIGHT POLE BY MED.

LIMIT OF CONSTRUCTION HIGH STREET STA:401+50.00 OFF:0.00'

REMOVE 12" RCP

REMOVE EXIST CB

EXIST. RETAINING WALL TO REMAIN IN PLACE

REMOVE "DO NOT BLOCK TRAIL" SIGN

EXIST. LIGHT POLE TO BE REMOVED AND REPLACED WITH A DECORATIVE LIGHT POLE BY MED.

END PROJECT COLLEGE STA:108+24.08 HIGH STA:400+97.75

RETAIN 12" RCP

BEGIN SIDEWALK STA:500+00.00 OFF:0.00'

REMOVE "DO NOT BLOCK TRAIL" SIGN

LIMIT OF CONSTRUCTION HIGH STREET STA:400+55.00 OFF:0.00'

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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Main: 615.564.2701 | www.kimley-horn.com

COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE
03/13/2024
COMMERCE
No. 125719
STATE OF TENNESSEE

No.	REVISIONS	DATE	BY
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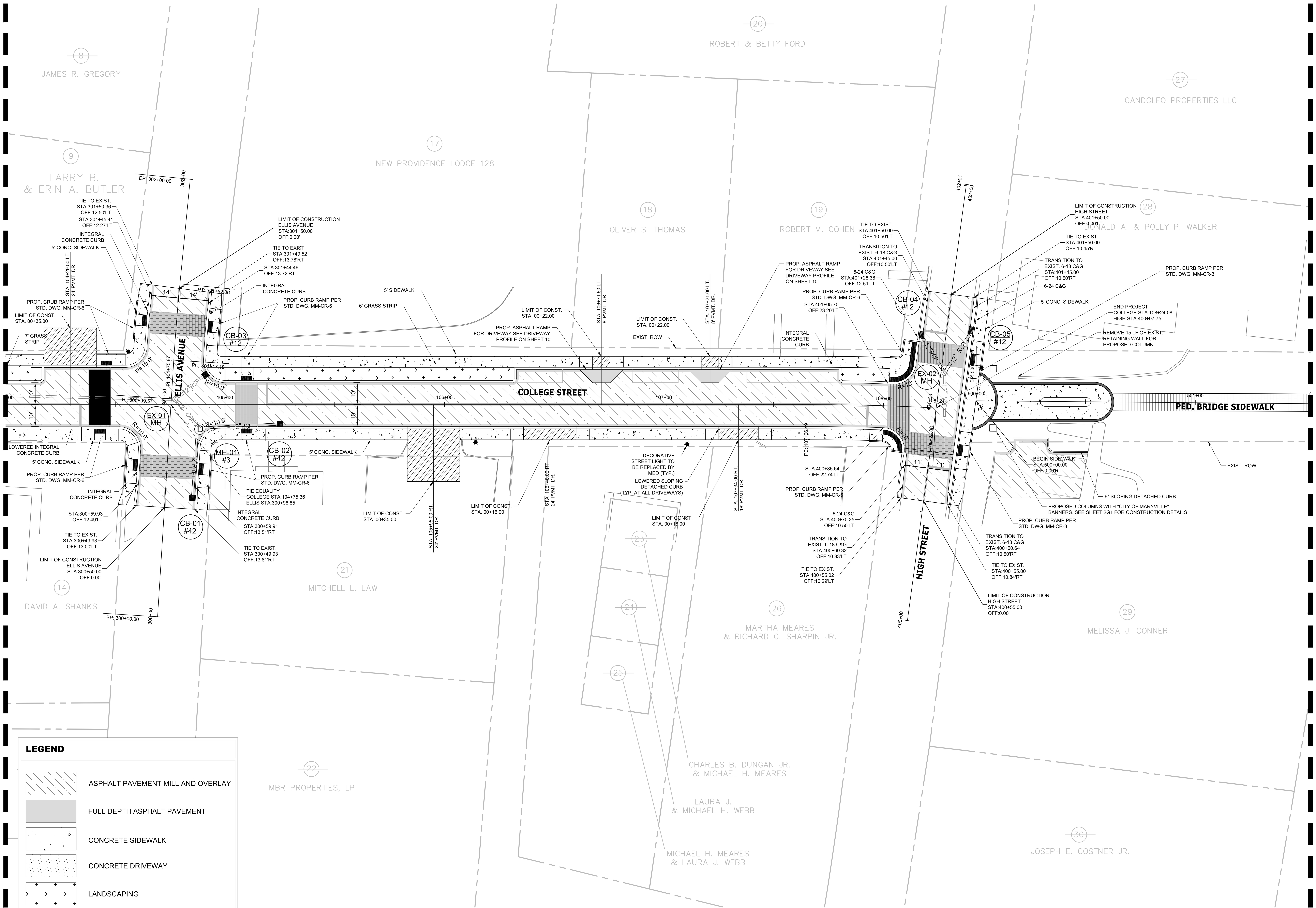
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

PRESENT LAYOUT

SHEET NUMBER
5



MATCHLINE STA. 104+00 SEE SHEET 4A
MATCHLINE SEE SHEET 6A
JAMES R. GREGORY
LARRY B. & ERIN A. BUTLER
NEW PROVIDENCE LODGE 128
ROBERT & BETTY FORD
OLIVER S. THOMAS
ROBERT M. COHEN
GANDOLFO PROPERTIES LLC
DONALD A. & POLLY P. WALKER
DAVID A. SHANKS
MITCHELL L. LAW
MARTHA MEARES & RICHARD G. SHARPIN JR.
MELISSA J. CONNER
CHARLES B. DUNGAN JR. & MICHAEL H. MEARES
LAURA J. & MICHAEL H. WEBB
MICHAEL H. MEARES & LAURA J. WEBB
MBR PROPERTIES, LP
JOSEPH E. COSTNER JR.
COLLEGE STREET
ELLIS AVENUE
HIGH STREET
PED. BRIDGE SIDEWALK
EP: 302+00.00
BP: 300+00.00
TIE TO EXIST. STA:301+50.36 OFF:12.50'LT
STA:301+45.41 OFF:12.27'LT
INTEGRAL CONCRETE CURB
5' CONC. SIDEWALK
PROP. CRUB RAMP PER STD. DWG. MM-CR-6
LIMIT OF CONST. STA. 00+35.00
7' GRASS STRIP
STA. 104+29.50 LT. 24' PVMT. DR.
LIMIT OF CONSTRUCTION ELLIS AVENUE STA:301+50.00 OFF:0.00'
TIE TO EXIST. STA:301+49.52 OFF:13.78'RT
STA:301+44.46 OFF:13.72'RT
PROP. CURB RAMP PER STD. DWG. MM-CR-6
5' SIDEWALK
6' GRASS STRIP
CB-03 #12
PT: 301+52.06
PC: 301+17.18
PI: 104+75.87
PI: 300+99.57
EX-01 MH
MH-01 #3
CB-02 #42
CB-01 #42
LOWERED INTEGRAL CONCRETE CURB
STA:300+59.93 OFF:12.49'LT
TIE TO EXIST. STA:300+49.93 OFF:13.00'LT
LIMIT OF CONSTRUCTION ELLIS AVENUE STA:300+50.00 OFF:0.00'
TIE EQUALITY COLLEGE STA:104+75.36 ELLIS STA:300+96.85
STA:300+59.91 OFF:13.51'RT
TIE TO EXIST. STA:300+49.93 OFF:13.81'RT
STA. 105+95.00 RT. 24' PVMT. DR.
LIMIT OF CONST. STA. 00+22.00
PROP. ASPHALT RAMP FOR DRIVEWAY SEE DRIVEWAY PROFILE ON SHEET 10
STA. 106+71.50 LT. 8' PVMT. DR.
STA. 107+21.00 LT. 8' PVMT. DR.
EXIST. ROW
LIMIT OF CONST. STA. 00+16.00
STA. 106+48.00 RT. 24' PVMT. DR.
DECORATIVE STREET LIGHT TO BE REPLACED BY MED (TYP.)
LOWERED SLOPING DETACHED CURB (TYP. AT ALL DRIVEWAYS)
STA. 107+34.00 RT. 18' PVMT. DR.
PC: 107+66.49
TIE TO EXIST. STA:401+50.00 OFF:10.50'LT
TRANSITION TO EXIST. 6-18 C&G STA:401+45.00 OFF:10.50'LT
6-24 C&G STA:401+28.38 OFF:12.51'LT
STA:401+05.70 OFF:23.20'LT
CB-04 #12
EX-02 MH
CB-05 #12
STA:400+85.64 OFF:22.74'LT
6-24 C&G STA:400+70.25 OFF:10.50'LT
TRANSITION TO EXIST. 6-18 C&G STA:400+60.32 OFF:10.33'LT
TIE TO EXIST. STA:400+55.02 OFF:10.29'LT
LIMIT OF CONSTRUCTION HIGH STREET STA:401+50.00 OFF:0.00'LT
TIE TO EXIST STA:401+50.00 OFF:10.45'RT
TRANSITION TO EXIST. 6-18 C&G STA:401+45.00 OFF:10.50'RT
6-24 C&G
PROP. CURB RAMP PER STD. DWG. MM-CR-3
END PROJECT COLLEGE STA:108+24.08 HIGH STA:400+97.75
REMOVE 15 LF OF EXIST. RETAINING WALL FOR PROPOSED COLUMN
BEGIN SIDEWALK STA:500+00.00 OFF:0.00'RT
6" SLOPING DETACHED CURB
PROPOSED COLUMNS WITH "CITY OF MARYVILLE" BANNERS. SEE SHEET 2G1 FOR CONSTRUCTION DETAILS
TRANSITION TO EXIST. 6-18 C&G STA:400+60.64 OFF:10.50'RT
TIE TO EXIST. STA:400+55.00 OFF:10.84'RT
LIMIT OF CONSTRUCTION HIGH STREET STA:400+55.00 OFF:0.00'

LEGEND

- ASPHALT PAVEMENT MILL AND OVERLAY
- FULL DEPTH ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- LANDSCAPING
- BRICK

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 125719
STATE OF TENNESSEE
03/13/2024

No.	REVISIONS	DATE	BY
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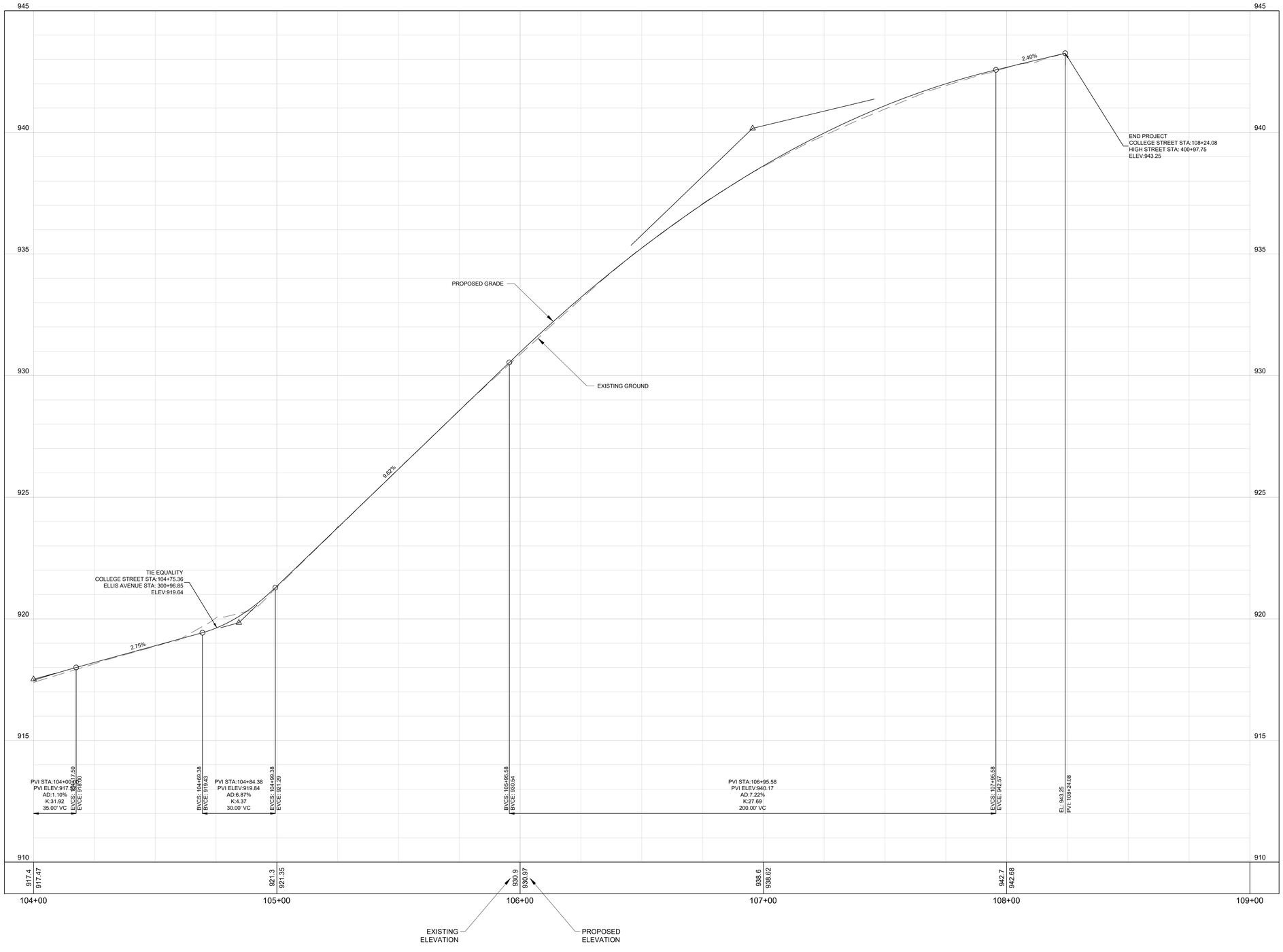
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

PROPOSED LAYOUT

SHEET NUMBER
5A



COLLEGE STREET PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 1 2 4
VERTICAL

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COLLEGE STREET ROADWAY
IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

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REGISTERED ENGINEER
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COMMISSION
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STATE OF TENNESSEE

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KIMLEY-HORN PROJECT NO.	118019006

MAINLINE PROFILE

SHEET NUMBER
5B

MATCHLINE SEE SHEET 5

REMOVE AND RESET "DO NOT MOW" SIGN

RETAIN 24" RCP

RETAIN CB

RETAIN 18" RCP

RETAIN 18" CMP

RETAIN 18" RCP

EXIST. OVERHEAD POLE TO REMAIN IN PLACE

REMOVE AND REPLACE "PED XING" SIGN

REMOVE AND REPLACE "PED XING" SIGN

RETAIN 18" HDPE

RETAIN 18" HDPE

REMOVE AND REPLACE "STOP" SIGN

RETAIN 18" HDPE

RETAIN 12" CLAY

RETAIN 6" CMP

RETAIN 24" RCP

REMOVE ALL DEAD TREES ALONG BRICK SIDEWALK

RETAIN 15" RCP

E. LAMAR ALEXANDER PKWY

LAMAR STREET

31 YOUNG LIFE

32 FIRST CHRISTIAN CHURCH

33 MARYVILLE COLLEGE

34 MARYVILLE COLLEGE

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

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PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
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COMMERCE
No. 125?
03/13/2024
STATE OF TENNESSEE

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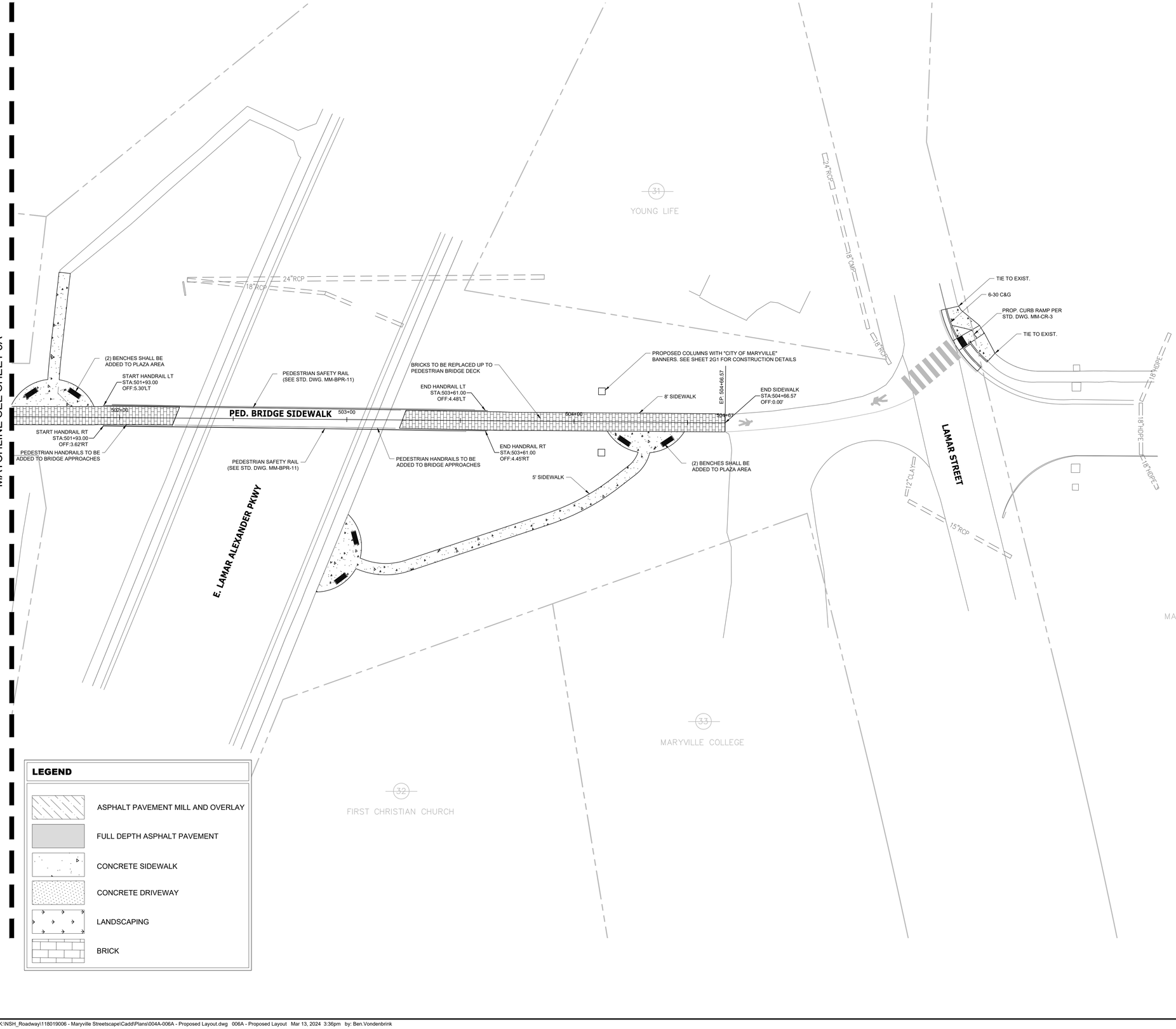
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

PRESENT LAYOUT

SHEET NUMBER
6

MATCHLINE SEE SHEET 5A



LEGEND

- ASPHALT PAVEMENT MILL AND OVERLAY
- FULL DEPTH ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- LANDSCAPING
- BRICK

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
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BEN J. VONDENBRINK
REGISTERED ENGINEER
No. 125?
STATE OF TENNESSEE
03/13/2024

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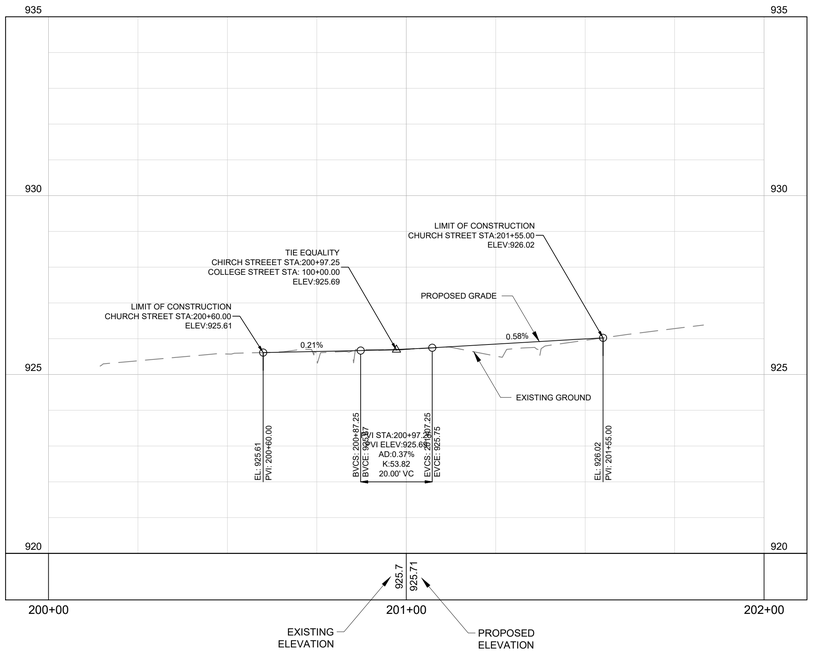
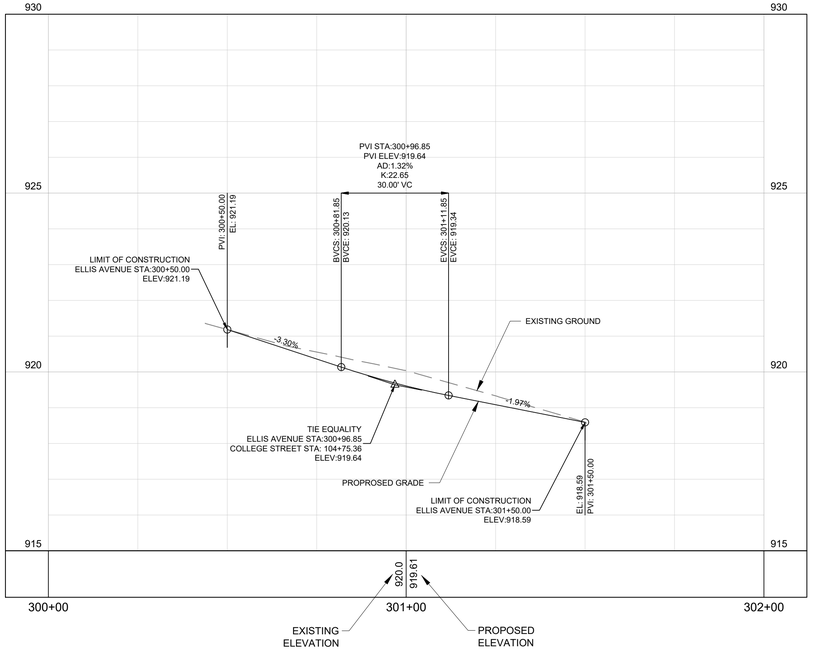
KIMLEY-HORN PROJECT NO. 118019006

PROPOSED LAYOUT

SHEET NUMBER
6A



E. CHURCH STREET



ELLIS AVENUE PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 1 2 4
VERTICAL

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COLLEGE STREET ROADWAY
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AGRICULTURE
No. 125719
STATE OF TENNESSEE
03/13/2024

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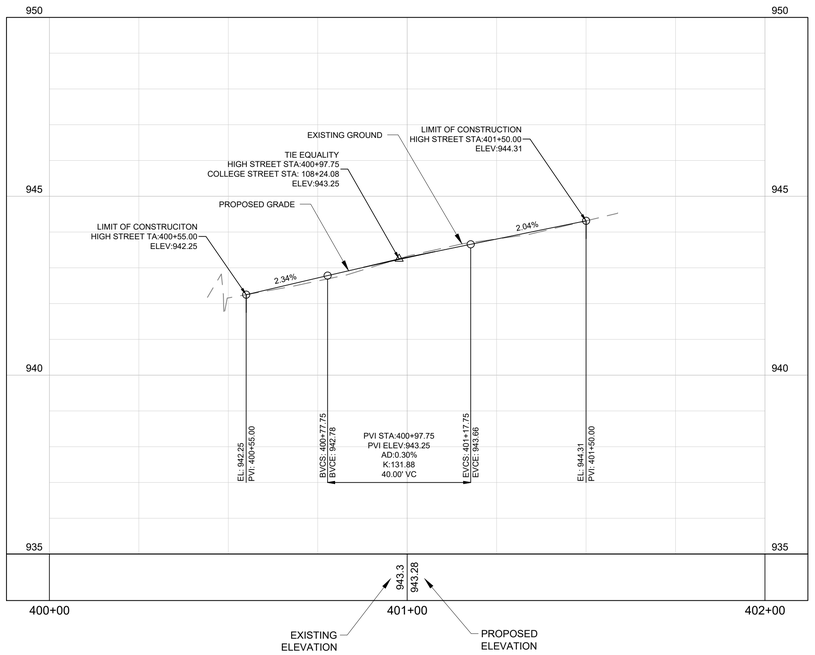
KIMLEY-HORN PROJECT NO.
118019006

SIDEROAD PROFILES

SHEET NUMBER
7



HIGH STREET PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 1 2 4
VERTICAL

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COLLEGE STREET ROADWAY
IMPROVEMENTS
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CITY of MARYVILLE
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AGRICULTURE
COMMERCE
No. 125?
03/13/2024
STATE OF TENNESSEE

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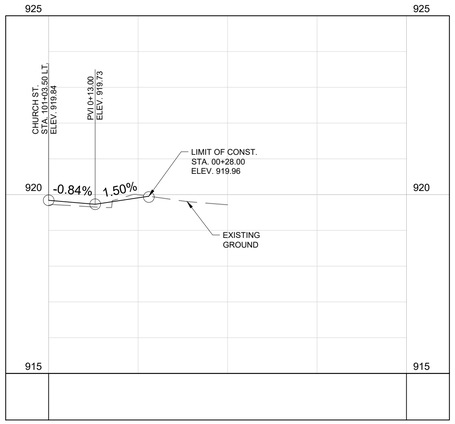
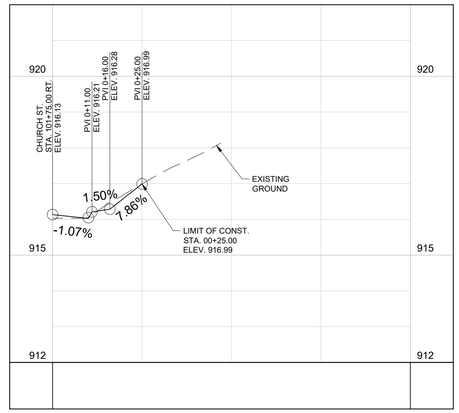
KIMLEY-HORN PROJECT NO.	118019006

SIDEROAD PROFILES

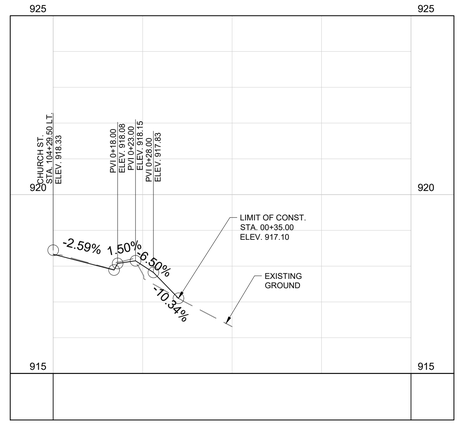
SHEET NUMBER
8



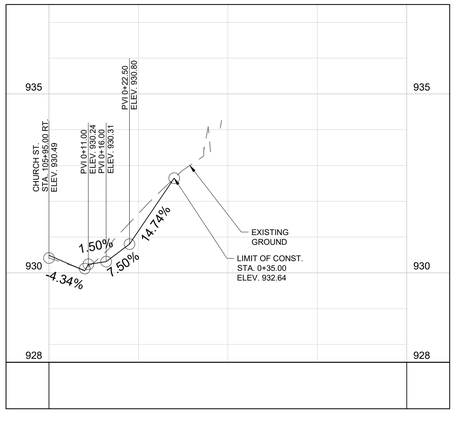
STA. 101+03.50 LT
18' PVMT. DR.
COLLEGE STREET
CONCRETE DRIVEWAY



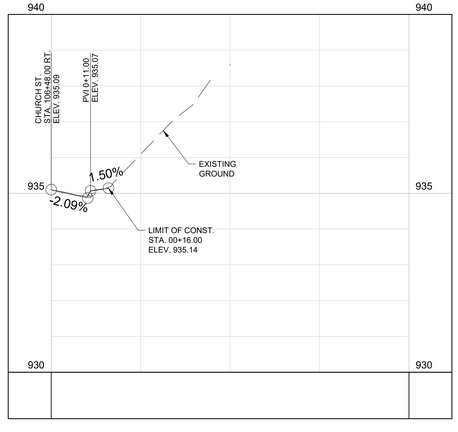
STA. 101+75.00 RT
22' PVMT. DR.
COLLEGE STREET
ASPHALT DRIVEWAY



STA. 104+29.50 LT
24' PVMT. DR.
COLLEGE STREET
CONCRETE DRIVEWAY



STA. 105+95.00 RT
24' PVMT. DR.
COLLEGE STREET
CONCRETE DRIVEWAY



STA. 106+48.00 RT
24' PVMT. DR.
COLLEGE STREET
CONCRETE DRIVEWAY

GRAPHIC SCALE IN FEET
0 10 20 40

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COLLEGE STREET ROADWAY
IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE
NUMBER
125719
STATE OF TENNESSEE
03/13/2024

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DESIGNED BY:	BJV
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CHECKED BY:	DED
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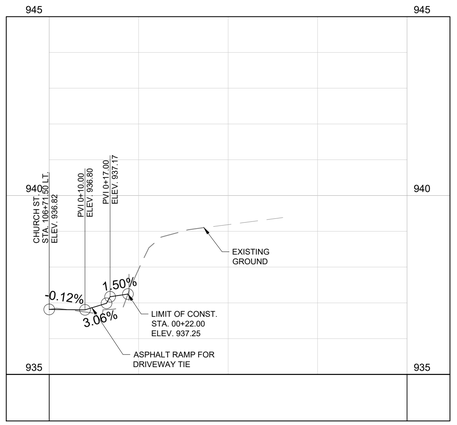
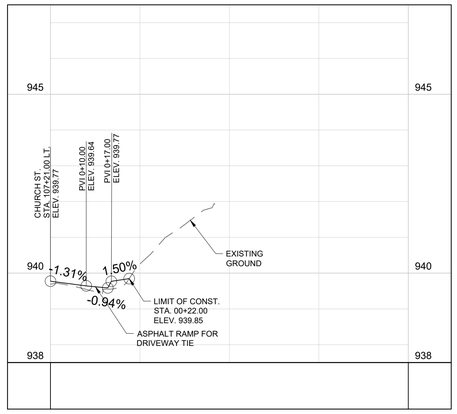
KIMLEY-HORN PROJECT NO.
118019006

DRIVEWAY PROFILES

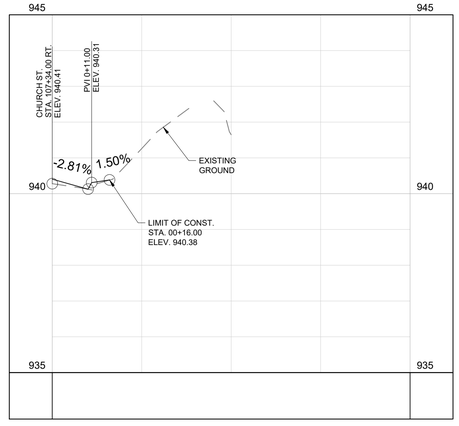
SHEET NUMBER
9



STA. 106+71.50 LT
8' PVMT. DR.
COLLEGE STREET
CONCRETE DRIVEWAY



STA. 107+21.00 LT
8' PVMT. DR.
COLLEGE STREET
ASPHALT DRIVEWAY



STA. 107+34.00 RT
18' PVMT. DR.
COLLEGE STREET
ASPHALT DRIVEWAY

GRAPHIC SCALE IN FEET
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COLLEGE STREET ROADWAY
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MARYVILLE, TN

CITY of MARYVILLE
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AGRICULTURE
03/13/2024
COMMERCE
No. 125719
STATE OF TENNESSEE

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DRIVEWAY PROFILES

SHEET NUMBER
10

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(1) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.

(2) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.

(3) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

(4) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.

(5) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

(6) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.

(7) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.

(8) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

(9) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

(10) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.

(11) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

(12) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

UTILITY RELOCATION

(14) STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

(15) SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY.

(16) UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

(17) IT IS THE RESPONSIBILITY OF THE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFFSITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFFSITE AND ENTERING WATERS OF THE STATE/U.S.

(18) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(19) IN REGARD TO EPSC, TDEC REGULATIONS APPLY TO THE UTILITY CONTRACTORS ON THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE CONTRACT.

(20) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE CITY ENGINEER.

(21) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

(22) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE CITY ENGINEER.

(23) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE CITY ENGINEER BEFORE COMMENCING WORK.

GENERAL NOTES

(24) NO SITE GRADING MAY COMMENCE UNTIL A GRADING PERMIT HAS BEEN ISSUED.

(25) THE NO GRADING PERMIT WILL BE ISSUED UNTIL ALL EROSION AND SEDIMENT CONTROL IS IN PLACE ACCORDING TO THE PLANS, AND PASSES INSPECTION. CONTACT DOUG CHAPMAN FOR INSPECTION AT (865) 273-3518.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✱ SF ✱ SF ✱ SF ✱	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
SOCK 12"	FILTER SOCK (12 INCH)	EC-STR-8
(4)	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

*NOTES:
1. WHERE LOD LINESTYLES NOT SHOWN, SILT FENCE REPRESENTS LOD.
2. USE "J" HOOKS WHERE SILT FENCE IS NOT ON CONTOUR.

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COLLEGE STREET ROADWAY IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 125719
STATE OF TENNESSEE
03/13/2024

No.	REVISIONS	DATE	BY
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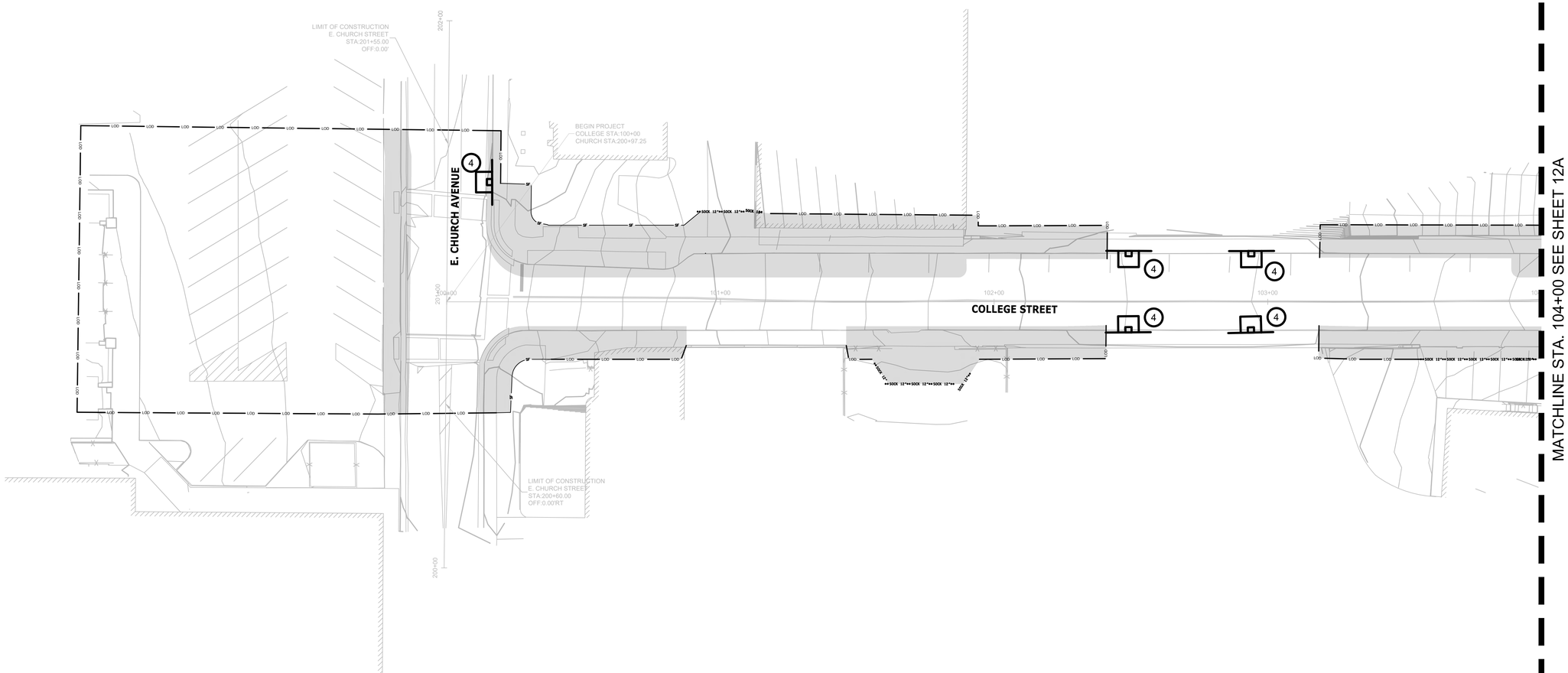
DESIGNED BY: BJV
DRAWN BY: EJBF
CHECKED BY: DED
DATE: 03/13/2024
KIMLEY-HORN PROJECT NO. 118019006

EPSC NOTES

SHEET NUMBER
11

PHASE 1



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
SOCK 12"	FILTER SOCK (12 INCH)	EC-STR-8
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

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GRAPHIC SCALE IN FEET
0 10 20 40

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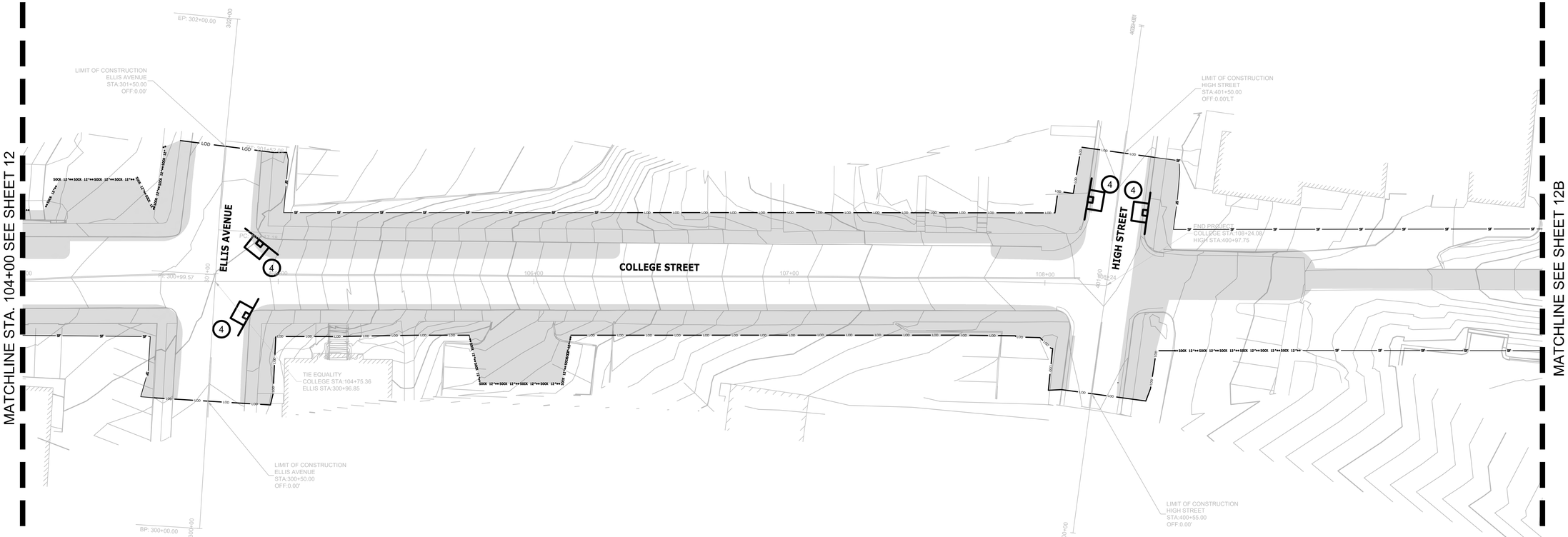
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

EPSC STAGE 1

SHEET NUMBER
12

Drawing name: K:\NSH_Roadway\118019006 - Maryville Streetscape\Cadd\Plans\012-012B - EPSC Stage 1.dwg 015 - EPSC Stage 1 Mar 13, 2024 4:27pm by: Ben.Vondenbrink

PHASE 1



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
** SOCK 12"**	FILTER SOCK (12 INCH)	EC-STR-8
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

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GRAPHIC SCALE IN FEET
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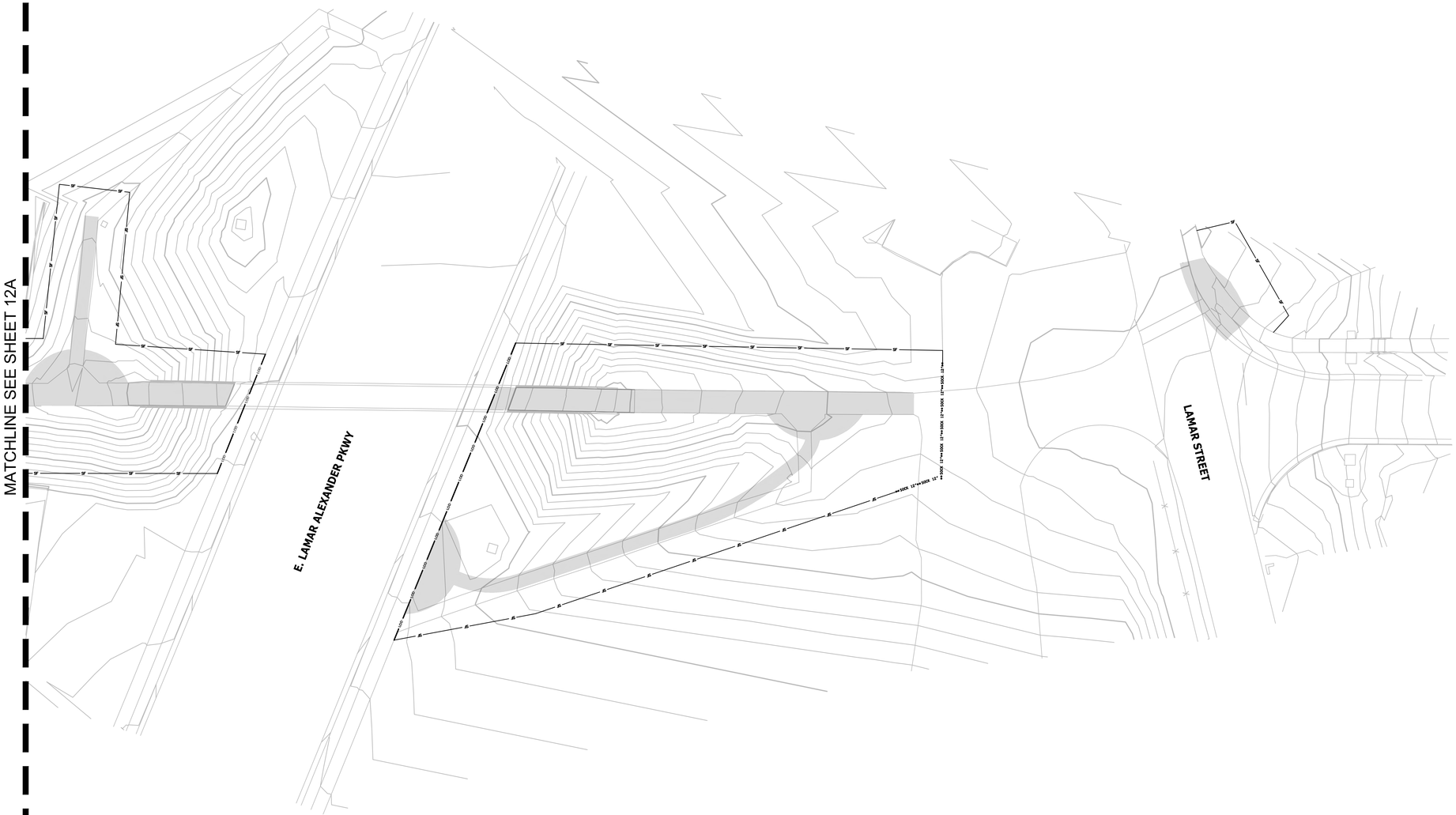
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

EPSC STAGE 1

SHEET NUMBER
12A

MATCHLINE SEE SHEET 12A



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EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
SOCK 12"	FILTER SOCK (12 INCH)	EC-STR-8

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GRAPHIC SCALE IN FEET
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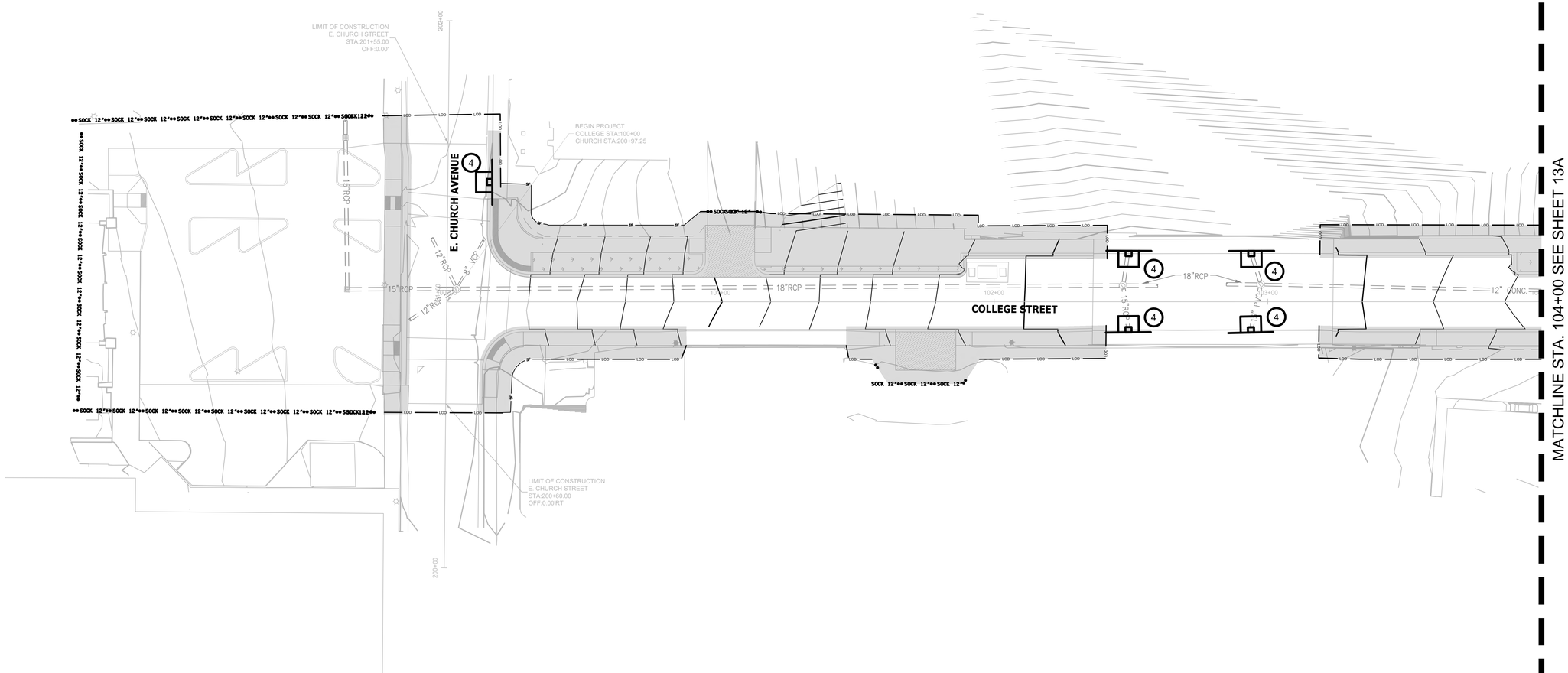
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

EPSC STAGE 1

SHEET NUMBER
12B

PHASE 2



MATCHLINE STA. 104+00 SEE SHEET 13A

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
** SOCK 12"**	FILTER SOCK (12 INCH)	EC-STR-8
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

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GRAPHIC SCALE IN FEET
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DATE:	03/13/2024
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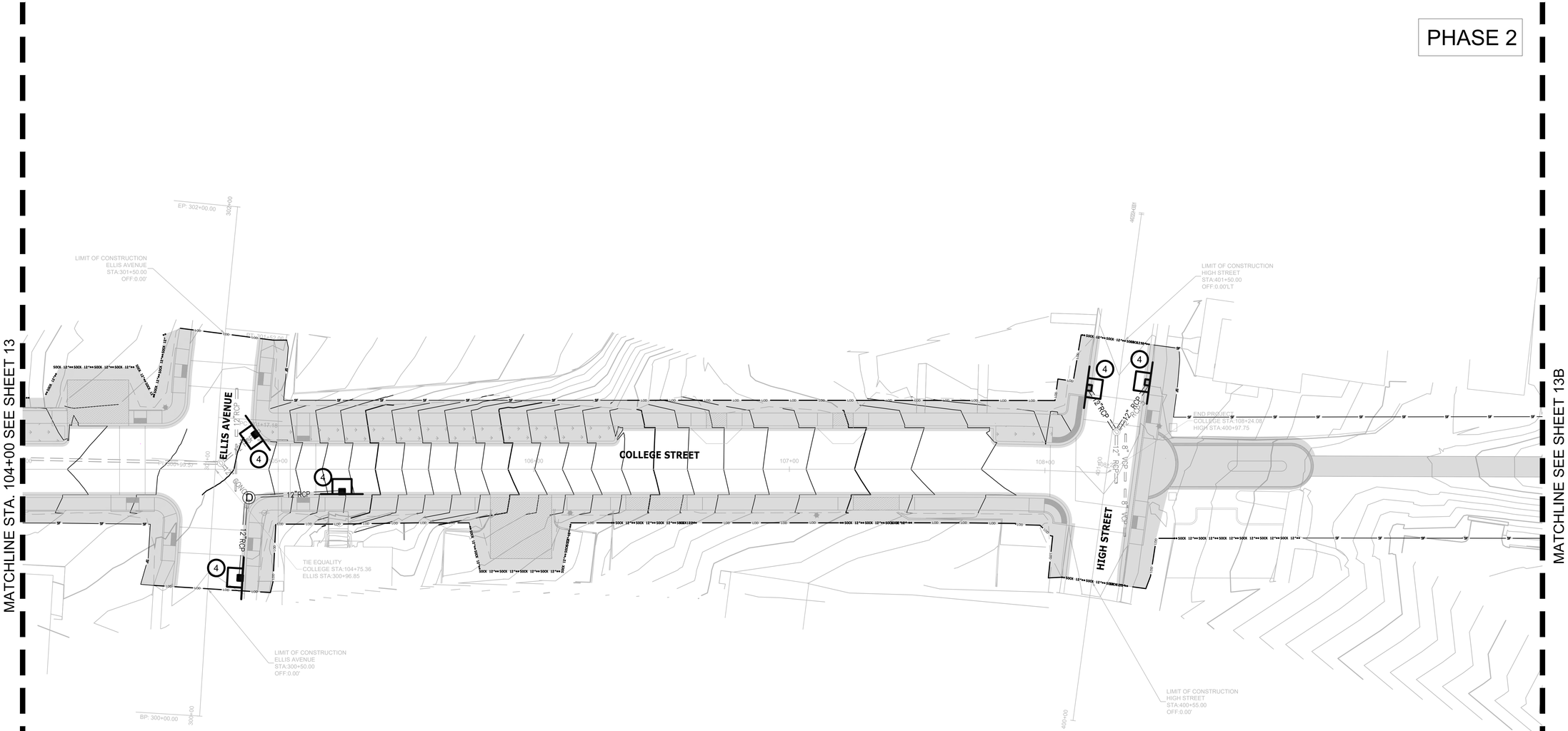
EPSC STAGE 2

SHEET NUMBER
13

PHASE 2



EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
—LOD—LOD—LOD—	LIMITS OF DISTURBANCE	
✱ SF ✱ SF ✱ SF ✱	SILT FENCE	EC-STR-3B
	DISTURBED AREA	N/A
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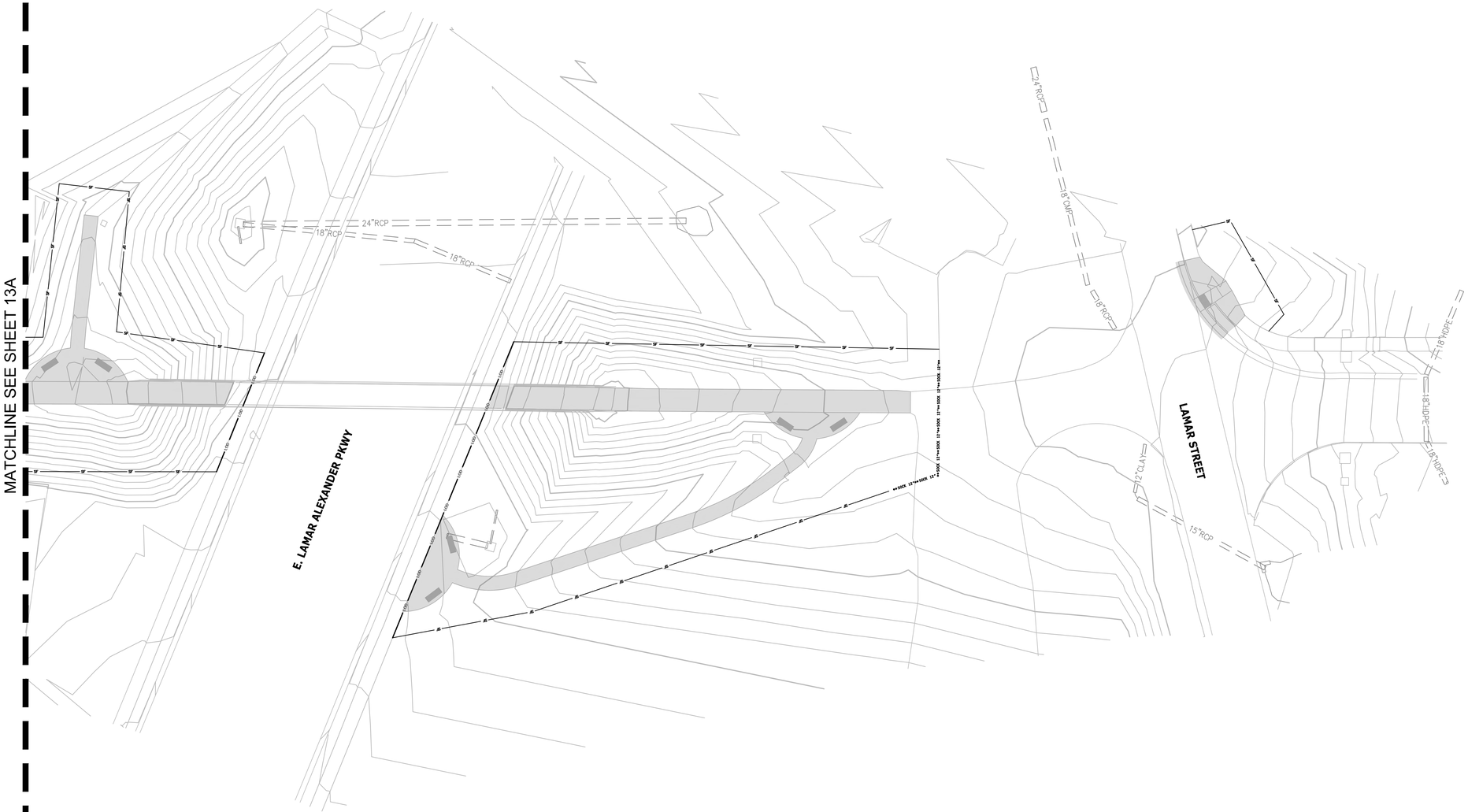
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

EPSC STAGE 2

SHEET NUMBER
13A

MATCHLINE SEE SHEET 13A



PHASE 2

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
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✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
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03/13/2024
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KIMLEY-HORN PROJECT NO. 118019006

EPSC STAGE 2

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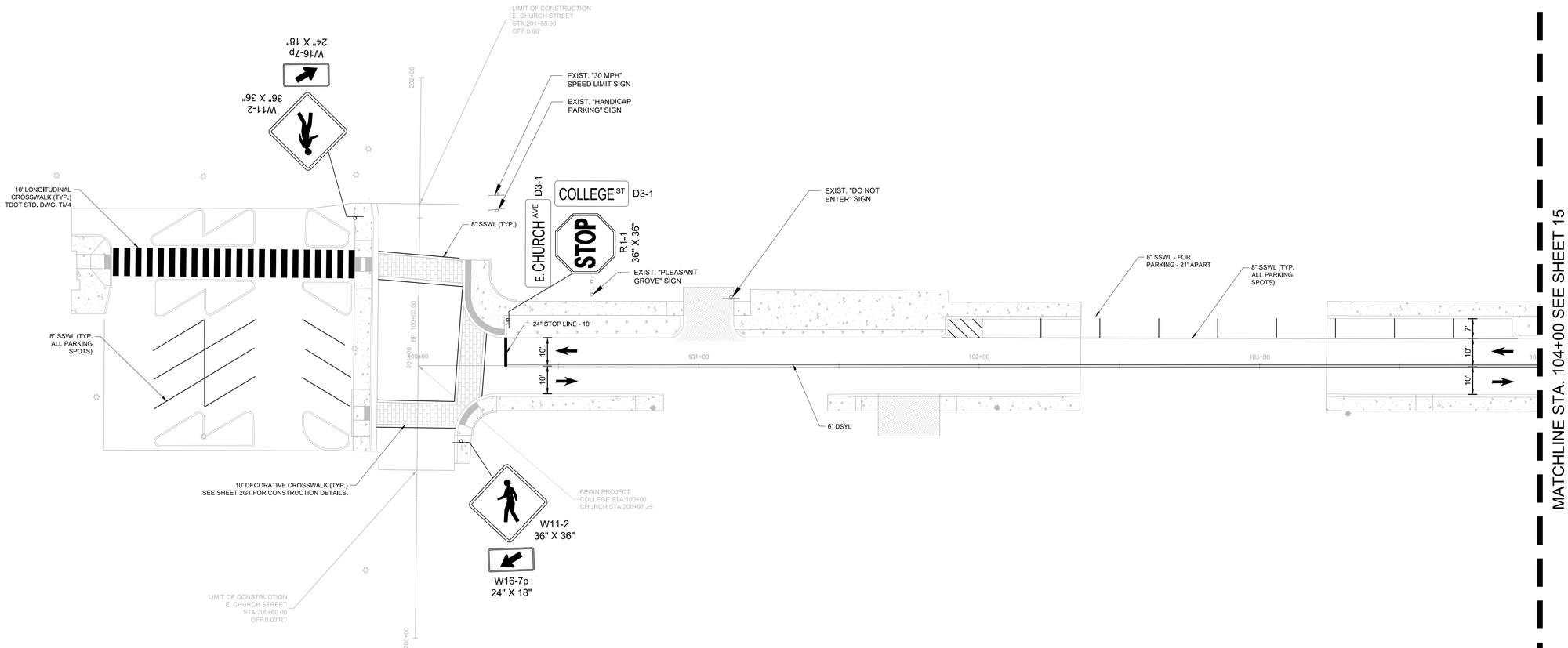

MATCHLINE STA. 104+00 SEE SHEET 15

GRAPHIC SCALE IN FEET
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CIVIL
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No. 125?
03/13/24
STATE OF TENNESSEE

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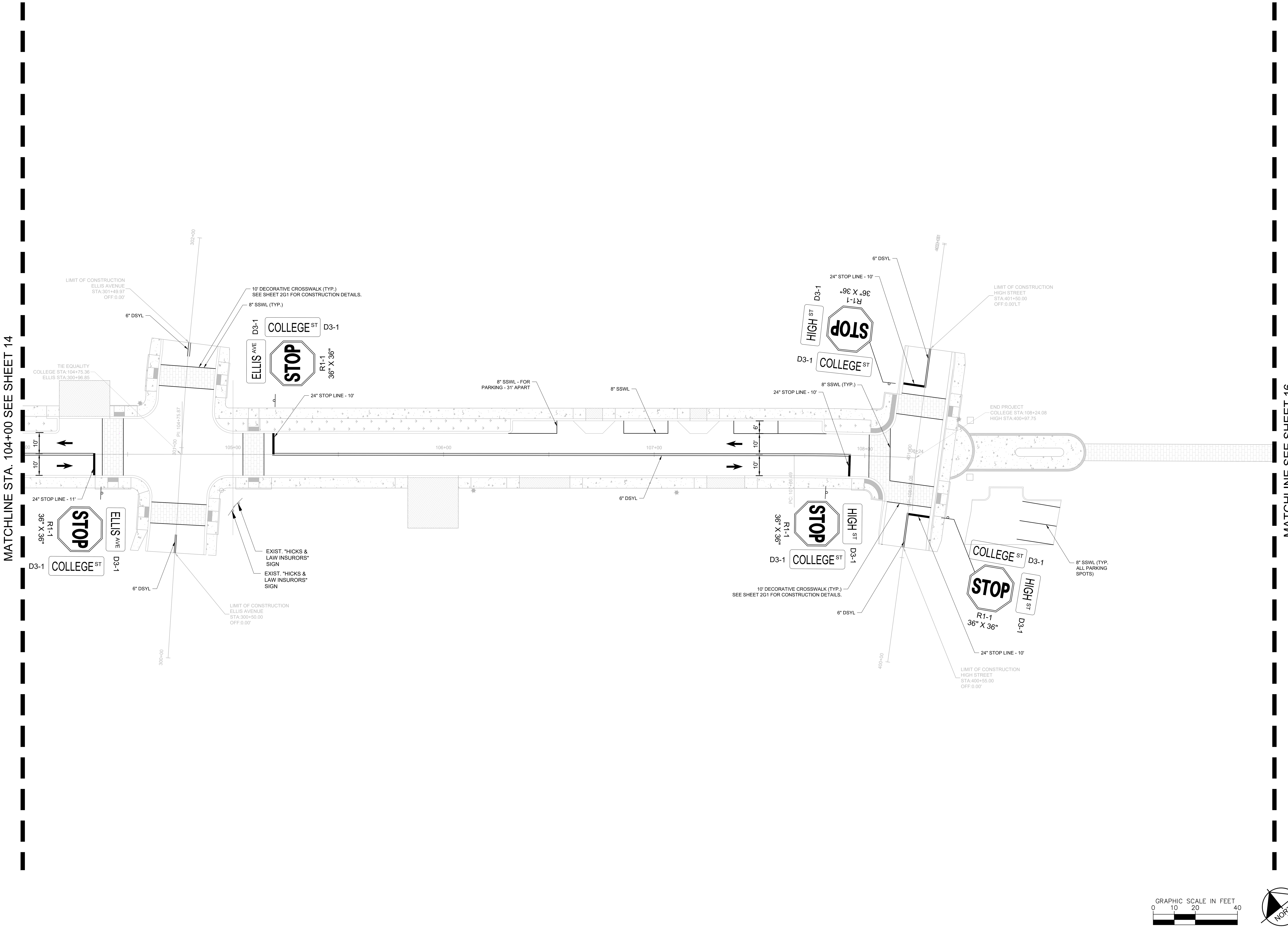
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

SIGNING AND MARKING

SHEET NUMBER
14

Drawing name: K:\NSH_Roadway\118019006 - Maryville Streetscape\Cadd\Plans\014-016 - Signing and Marking.dwg 014 - Signing and Marking Mar 13, 2024 3:38pm by: Ben.Vondenbrink



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MARYVILLE, TN

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PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
No. 125719
STATE OF TENNESSEE
03/13/2024

No.	REVISIONS	DATE	BY
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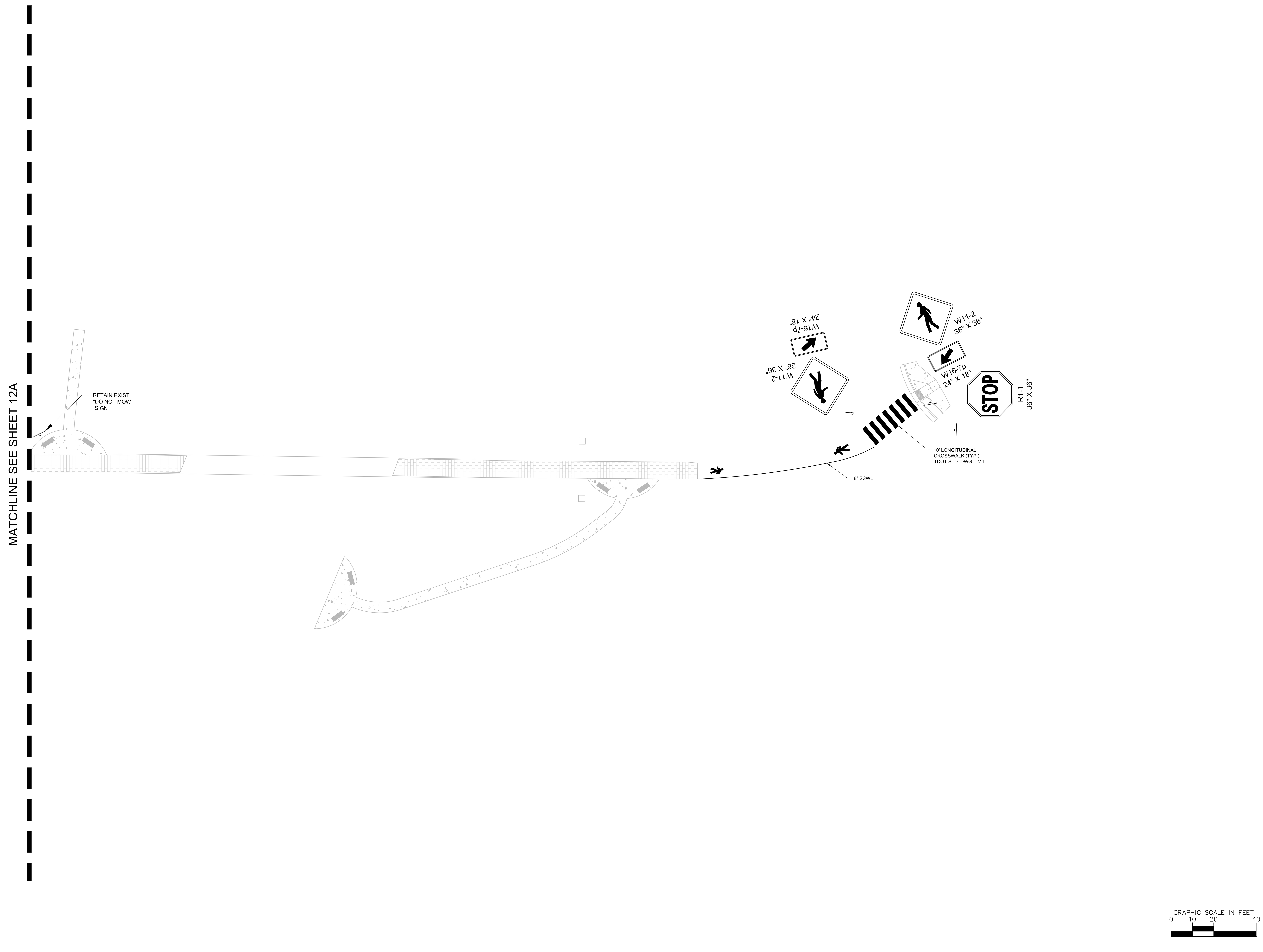
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO.
118019006

SIGNING AND MARKING

SHEET NUMBER
15

Drawing name: K:\NSH_Roadway\118019006 - Maryville Streetscape\Cadd\Plans\014-016 - Signing and Marking.dwg 015 - Signing and Marking Mar 13, 2024 3:38pm by: Ben.Vondenbrink



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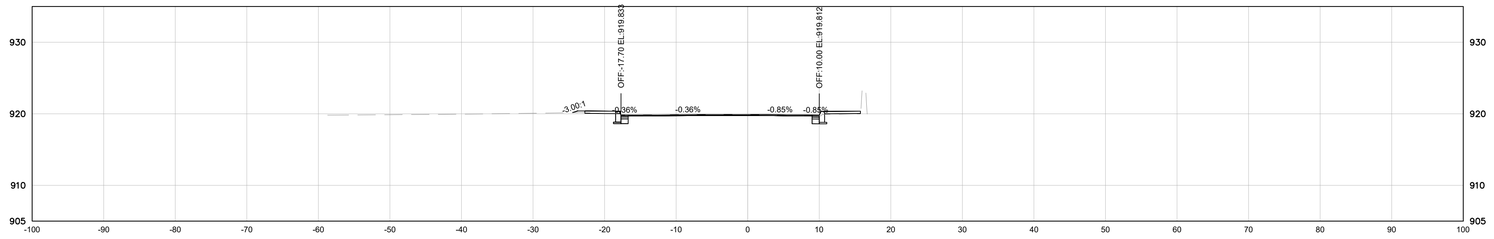
KIMLEY-HORN PROJECT NO.
118019006

SIGNING AND MARKING

SHEET NUMBER
16

101+00



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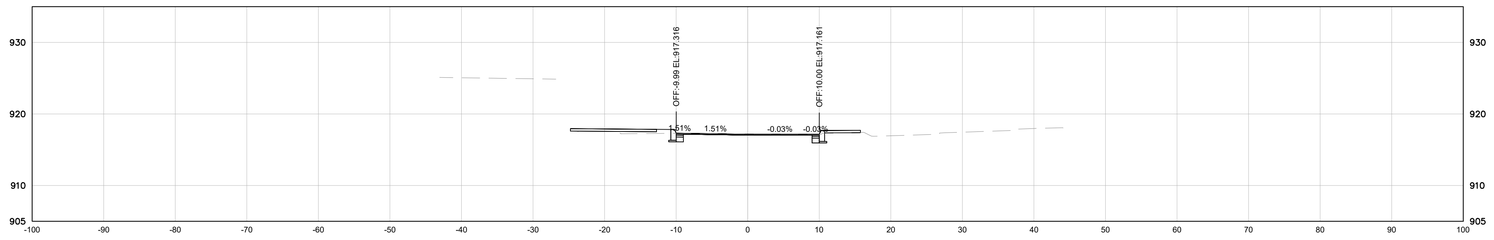

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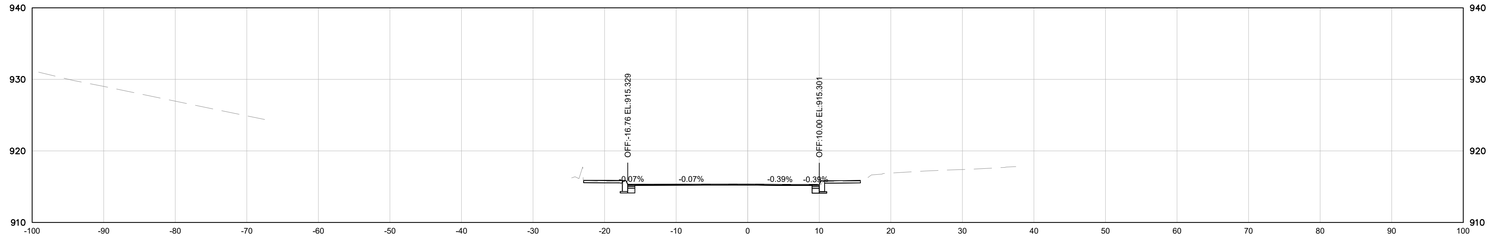

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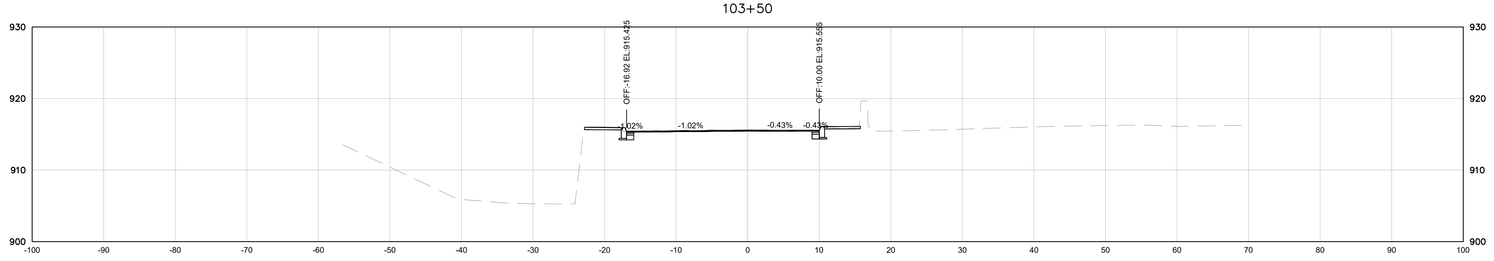

COLLEGE STREET

GRAPHIC SCALE IN FEET
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HORIZONTAL

GRAPHIC SCALE IN FEET
0 5 10 20
VERTICAL

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COLLEGE STREET ROADWAY
IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

BEN J. VONDENBRINK
REGISTERED ENGINEER
No. 125719
STATE OF TENNESSEE
03/13/2024

No.	REVISIONS	DATE	BY
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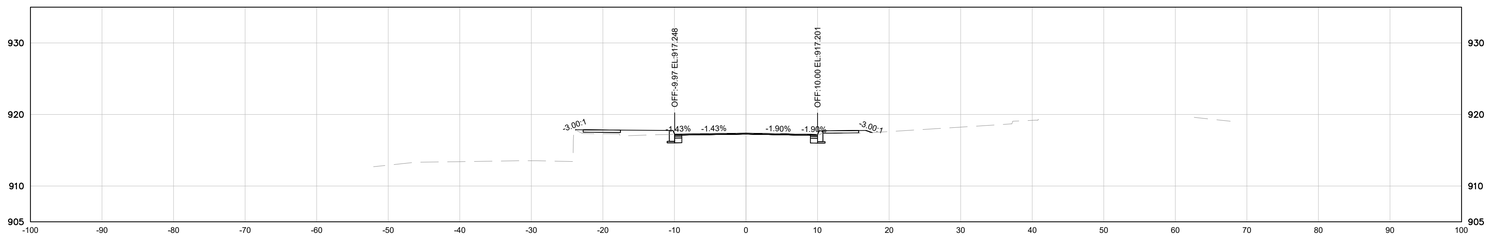
DESIGNED BY:	BJV
DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024
KIMLEY-HORN PROJECT NO.	118019006

CROSS SECTIONS

SHEET NUMBER
17

104+00



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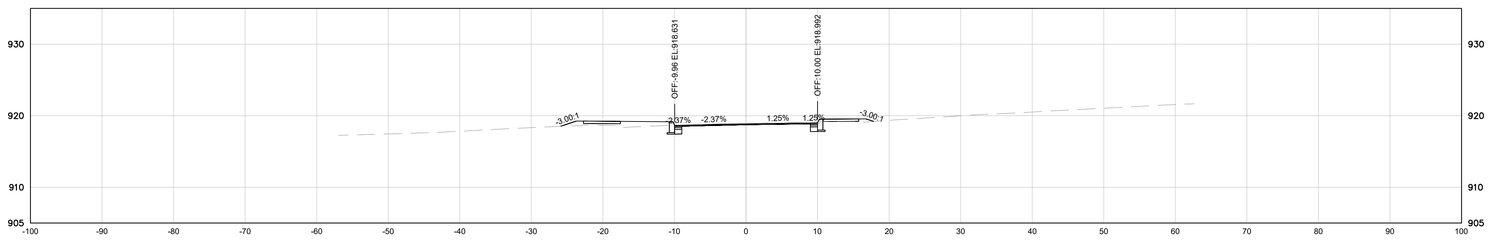

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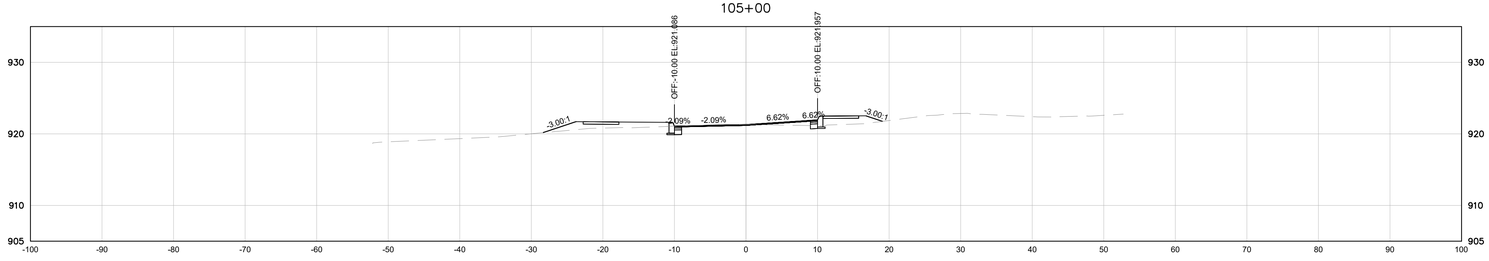

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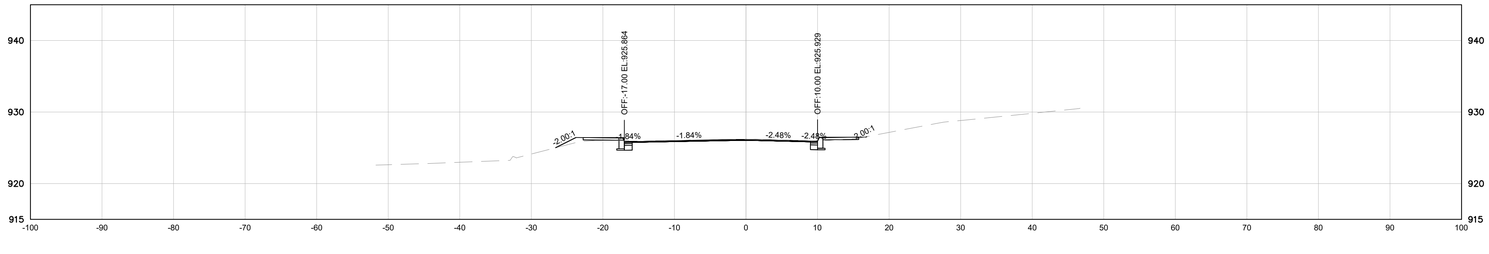

COLLEGE STREET

GRAPHIC SCALE IN FEET
0 5 10 20
HORIZONTAL

GRAPHIC SCALE IN FEET
0 5 10 20
VERTICAL

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BEN J. VONDENBRINK
REGISTERED ENGINEER
ARCHITECTURE
03/13/2024
COMMISSION No. 125719
STATE OF TENNESSEE

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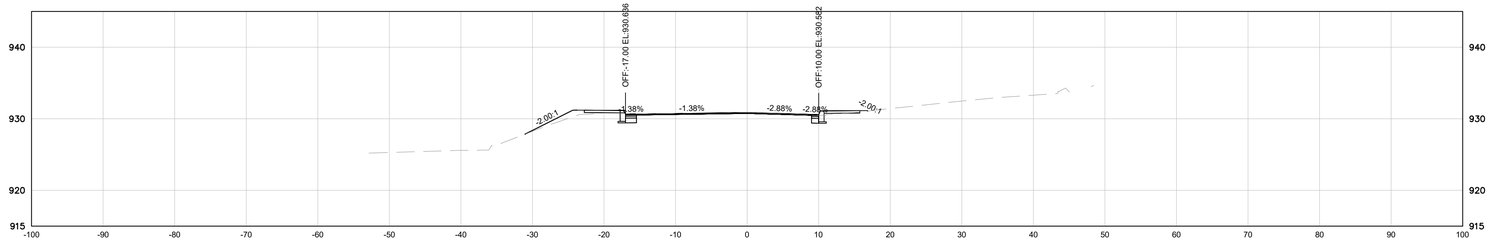
17

106+00



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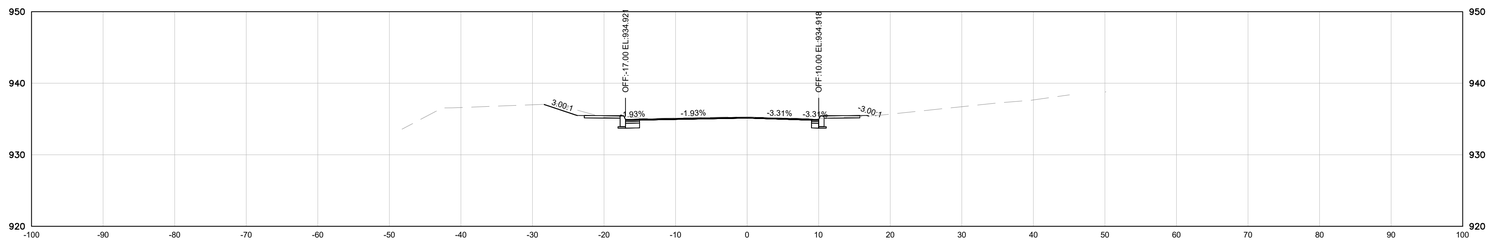

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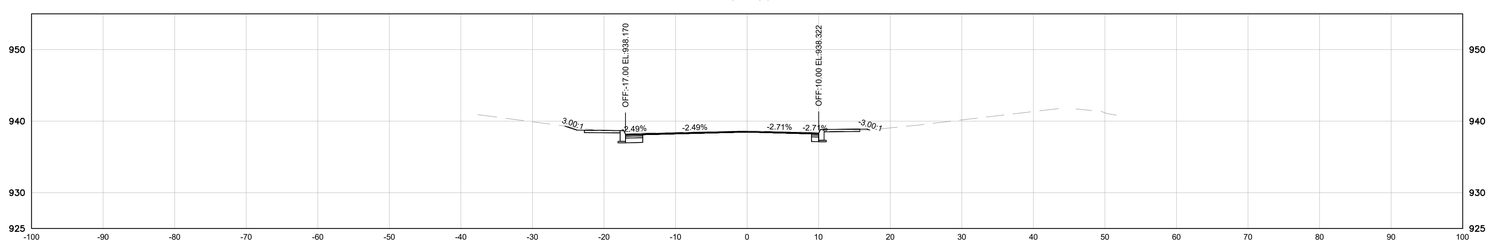

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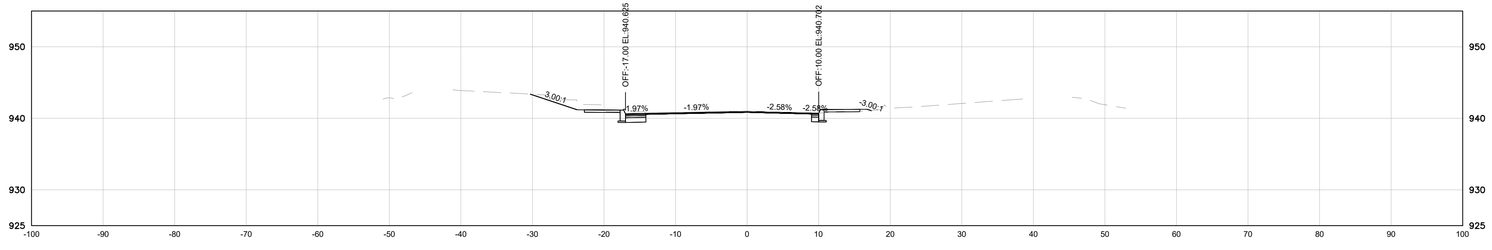

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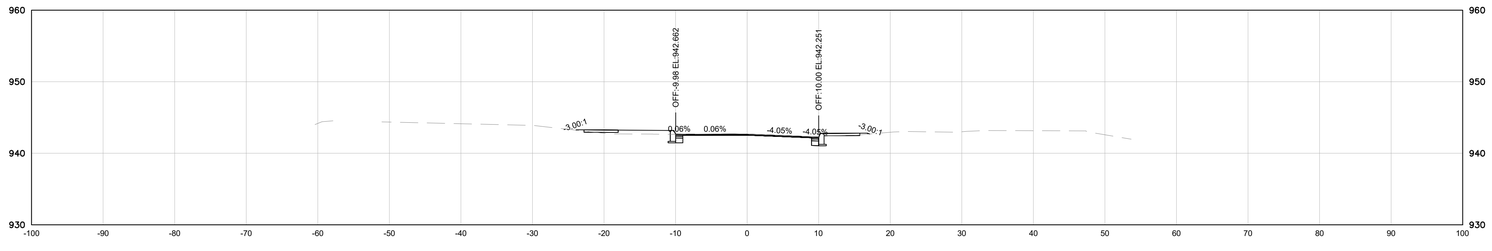

COLLEGE STREET

GRAPHIC SCALE IN FEET
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HORIZONTAL

GRAPHIC SCALE IN FEET
0 5 10 20
VERTICAL

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KIMLEY-HORN PROJECT NO. 118019006

CROSS SECTIONS

SHEET NUMBER
19

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

   a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

   a. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

   THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

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BEN J. VONDENBRINK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 125719
STATE OF TENNESSEE
03/13/2024

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DRAWN BY:	EJBF
CHECKED BY:	DED
DATE:	03/13/2024

KIMLEY-HORN PROJECT NO. 118019006

PAVEMENT EDGE DROP OFF NOTES

SHEET NUMBER
T-1

TRAFFIC CONTROL NOTES

1. TRAFFIC CONTROL SIGNAGE IS TO WARN TRAFFIC ABOUT THE CONSTRUCTION. OTHER TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
2. NOTHING IN THE TRAFFIC CONTROL PLAN IS INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING THE APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS."
3. WORK WITHIN THE ROADWAY DURING DIFFERENT PHASES OF CONSTRUCTION SHALL NOT BE ACTIVE AT THE SAME TIME.
4. ONLY ONE PHASE OF THE TRAFFIC CONTROL PLAN SHALL BE ACTIVE AT ANY ONE TIME.
5. ALL TEMPORARY OR PERMANENT TRAVELED SURFACES SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR REFINISHING PERFORMED.
6. MARKINGS SHALL BE MAINTAINED IN LONG-TERM STATIONARY WORK AREAS AND SHALL MATCH AND MEET THE MARKINGS IN PLACE AT BOTH ENDS OF THE WORK AREA.
7. CENTERLINE/LANE LINES SHOULD BE PLACED REPLACED OR DELINEATED WHERE APPROPRIATE BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
8. THE APPROPORIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER.
9. OBLITERATED MARKINGS SHALL BE UNIDENTIFIABLE AS PAVEMENT MARKINGS UNDER DAY OR NIGHT, WET OR DRY CONDITIONS. OVERLAYING EXISTING STRIPS WITH BLACK PAINT OR ASPHALT DOES NOT MEET THE REQUIREMENTS OF COVERING, REMOVAL, OR OBLITERATION; HOWEVER, THE USE OF REMOVABLE, NONREFLECTIVE, PREFORMED TAPE IS PERMITTED WHERE MARKINGS NEED TO BE COVERED TEMPORARILY.
10. AT NO TIME SHALL ONE LANE SECTIONS BE LEFT OPEN UNATTENDED. WHERE TWO FLAGGERS ARE REQUIRED AND IN CIRCUMSTANCES WHERE ONLY ONE LANE OF TRAFFIC IS OPEN AND THERE IS NO CLEAR LINE OF SIGHT FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, THE CONTRACTOR SHALL PROVIDE RADIO COMMUNICATION OR OTHER APPROPRIATE MEANS OF ESTABLISHING CONTROL OF TRAFFIC.
11. ANY TIME A FLAGGER IS NOT PRESENT TO CONTROL TRAFFIC, TWO TRAFFIC LANES MUST BE OPEN TO MAINTAIN TWO-WAY TRAFFIC AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
12. ALL FLAGGERS SHALL BE EQUIPPED WITH A STOP/SLOW PADDLE.
13. REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TRAFFIC CONTROL PHASING.

TRAFFIC CONTROL PHASING NOTES

CONTRACTOR TO MAINTAIN TRAFFIC THROUGHOUT CONSTRUCTION UTILIZING AN APPROPRIATE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE TDOT WORK ZONE FIELD MANUAL AND MUTCD STANDARDS.

1

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02/14/2024
NUMBER
125719
STATE OF TENNESSEE

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1	ADDENDUM #1	03/13/24	KH
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DESIGNED BY:	BJV
DRAWN BY:	EJBF
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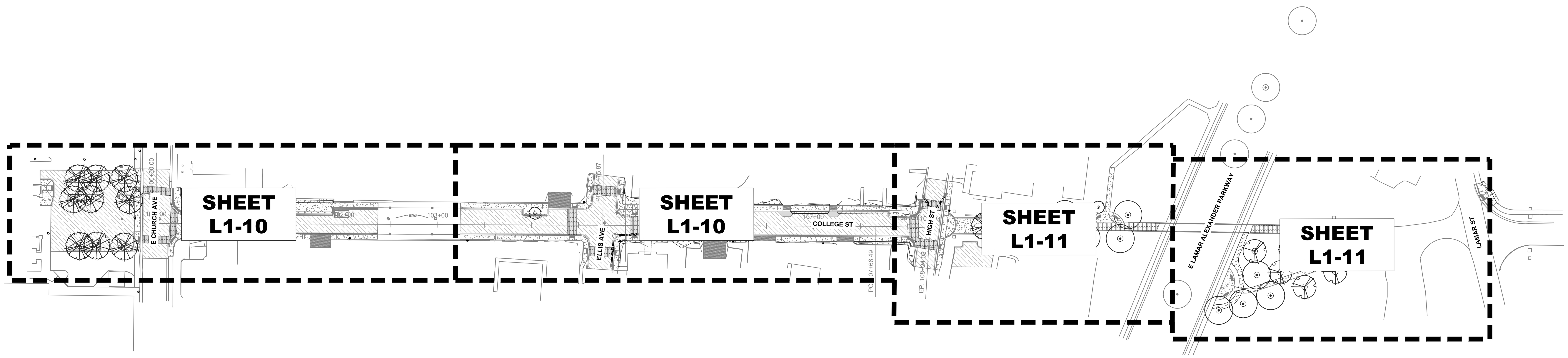
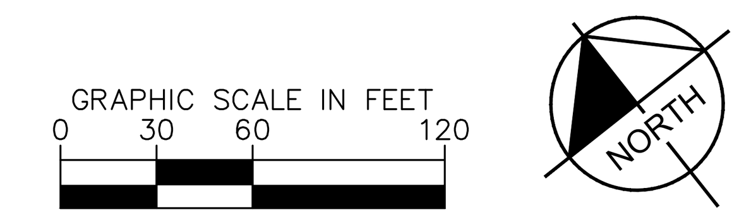
KIMLEY-HORN PROJECT NO. 118019006

PHASING NOTES

SHEET NUMBER
T-2





PLANT SCHEDULE COLLEGE STREET

	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	ROOT	CONDITION	SPACING
TREES							
12	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	AS SHOWN	3" CAL.	B&B	MATCHED; FULL	
1	PICEA ABIES 'CUPRESSINA'	CUPRESSINA NORWAY SPRUCE	20` O.C.	2" CAL; 8` MIN. HT.	B&B	MATCHED; FULL	
5	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	25` O.C.	2" CAL; 8` MIN. HT.	B&B	MATCHED; FULL	
UNDERSTORY TREES							
8	AMELANCHIER X GRANDIFLORA `AUTUMN BRILLIANCE`	`AUTUMN BRILLIANCE` SERVICEBERRY	B & B	2"	10-12`		
	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	ROOT	CONDITION	SPACING
SHRUBS							
126	DRYOPTERIS ERYTHROSORA	AUTUMN FERN	18" O.C.	1 GAL.	CONT	FULL	18" o.c.
9	HYDRANGEA PANICULATA `JANE`	LITTLE LIME HYDRANGEA	4` O.C.	3 GAL.	CONT	FULL	48" o.c.
61	HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	4` O.C.	3 GAL.	CONT	FULL	48" o.c.
18	ITEA VIRGINICA `HENRY`S GARNET`	VIRGINIA SWEETSPIRE	4` O.C.	3 GAL.	CONT	FULL	48" o.c.
64	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	4` O.C.	3 GAL.	CONT	FULL	48" o.c.
GRASSES							
30	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER`	FEATHER REED GRASS	3` O.C.	1 GAL.	CONT	FULL	36" o.c.
41	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	24" O.C.	1 GAL.	CONT	FULL	24" o.c.
GROUND COVERS							
1,490	LIRIOPE MUSCARI `DENSIFLORA`	DENSIFLORA LILYTURF	18" O.C.	1 GAL	CONT	FULL; FREE OF WEEDS; 5 PIPS. MIN	15" o.c.
2,086 SF	SOD	TIFWAY 419 BERMUDA SOD	-	-	-	TIGHT, SAND ROLLED JOINTS, FREE OF WEEDS & DEBRIS	

NOTES:

1. CONTRACTOR TO USE A TREEGATOR® ORIGINAL SLOW RELEASE WATERING BAG AROUND ALL NEWLY INSTALLED TREES. CONTRACTOR TO FOLLOW THE INSTALLATION INSTRUCTIONS AND PRECAUTIONS PROVIDED FOR EACH TREEGATOR® BRAND PRODUCT.

ILLUSTRATIVE PLANT SCHEDULE - COLLEGE STREET

TREES

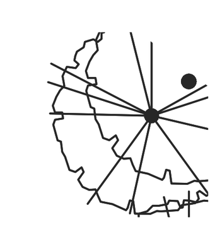

CODE: G
BOTANICAL NAME: GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'
COMMON NAME: SKYLINE HONEY LOCUST
SIZE: 8' MIN HT, 3" MIN CAL
ROOT: B&B
CONDITION: MATCHED; FULL
SPACING (IF APPLICABLE): AS SHOWN


CODE: F
BOTANICAL NAME: FAGUS GRADIFOLIA
COMMON NAME: AMERICAN BEECH
SIZE: 8' MIN HT, 2" MIN CAL
ROOT: B&B
CONDITION: MATCHED; FULL
SPACING (IF APPLICABLE): AS SHOWN

SYMBOL

UNDERSTORY TREES


CODE: J
BOTANICAL NAME: CERCIS CANADENSIS 'JN7'
COMMON NAME: SUMMER'S TOWER EASTERN REDBUD
SIZE: 6-8' MIN HT, 2" MIN CAL
ROOT: B&B
CONDITION: MATCHED; FULL
SPACING (IF APPLICABLE): AS SHOWN




CODE: K
BOTANICAL NAME: CORNUS KOUSA
COMMON NAME: KOUSA DOGWOOD
SIZE: 8' MIN HT, 2" MIN CAL
ROOT: B&B
CONDITION: MATCHED; FULL
SPACING (IF APPLICABLE): AS SHOWN

UN

SHRUBS

CODE: HP
BOTANICAL NAME: HYDRANGEA PANICULATA ' JANE'
COMMON NAME: LITTLE LIME HYDRANGEA
SIZE: 3 GAL
ROOT: CONT
CONDITION: FULL
SPACING (IF APPLICABLE): 4' O.C.

CODE: IR
BOTANICAL NAME: ILEX VERTICILLLATA 'RED SPRITE'
COMMON NAME: RED SPRITE WINTERBERRY
SIZE: 3 GAL
ROOT: CONT
CONDITION: FULL
SPACING (IF APPLICABLE): 4' O.C.

CODE: IL
BOTANICAL NAME: ITEA VIRGINICA 'HENRY'S GARNET'
COMMON NAME: VIRGINIA SWEETSPIRE
SIZE: 3 GAL
ROOT: CONT
CONDITION: FULL
SPACING (IF APPLICABLE): 4' O.C.

GRASSES

CODE: CF
BOTANICAL NAME: CALAMAGROSTIS X ACUTIFLORA 'KARL FORESTER'
COMMON NAME: FEATHERED REED GRASS
SIZE: 1 GAL
ROOT: CONT
CONDITION: FULL
SPACING (IF APPLICABLE): 3' O.C.

GROUND COVERS

CODE: LMD
BOTANICAL NAME: LIRIOPE MUSCARI 'DENSIFLORA'
COMMON NAME: DENSIFLORA LILYTURF
SIZE: 1 GAL
ROOT: CONT
CONDITION: FULL, FREE OF WEEDS, 5 PIPS MIN
SPACING (IF APPLICABLE): 15" O.C.

Kimley-Horn
10 Lea Avenue, Suite 400, Nashville, TN 37210
Main: 615.564.2701 | www.kimley-horn.com

COLLEGE STREET LANDSCAPE IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

ALISHA ELEY
REGISTERED LANDSCAPE ARCHITECT
TENNESSEE No. 000920
02/14/2024

No.	REVISIONS	DATE	BY
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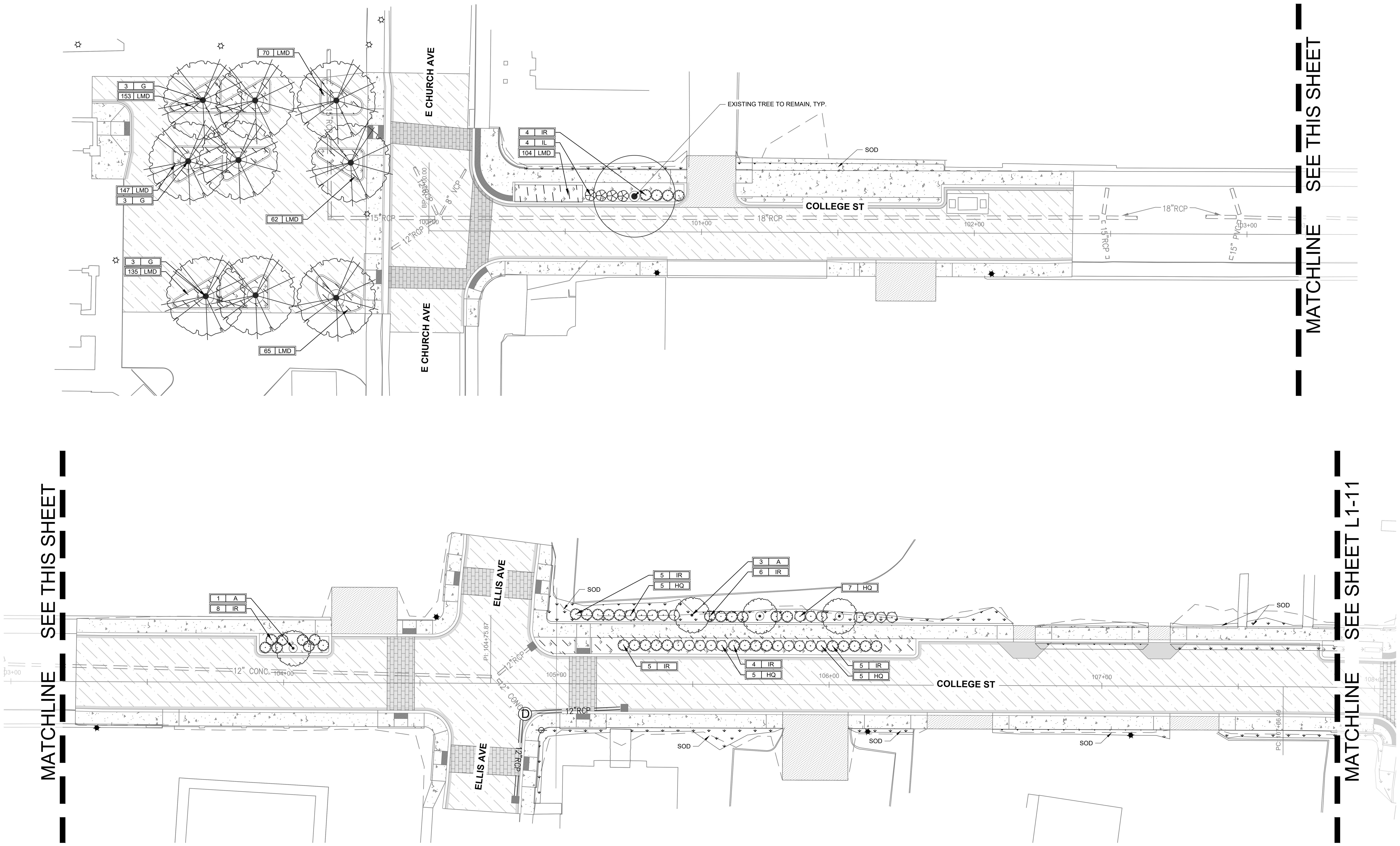
DESIGNED BY: BPB
DRAWN BY: AMA
CHECKED BY: ARE
DATE: 02/14/2024
KIMLEY-HORN PROJECT NO. 118019006

LANDSCAPE PLAN

SHEET NUMBER
L1-00



LANDSCAPE PLAN NOTES

1. CONTRACTOR TO VERIFY UTILITY LOCATIONS BEFORE BEGINNING WORK.

PLANT SCHEDULE COLLEGE STREET

CODE	COMMON NAME
TREES	
G	SKYLINE HONEY LOCUST
P	CUPRESSINA NORWAY SPRUCE
T	GREENSPIRE LITTLELEAF LINDEN
UNDERSTORY TREES	
A	`AUTUMN BRILLIANCE` SERVICEBERRY
SHRUBS	
DE	AUTUMN FERN
HP	LITTLE LIME HYDRANGEA
HQ	OAKLEAF HYDRANGEA
IL	VIRGINIA SWEETSPIRE
IR	RED SPRITE WINTERBERRY
GRASSES	
CF	FEATHER REED GRASS
SI	LITTLE BLUESTEM GRASS
GROUND COVERS	
LMD	DENSIFLORA LILYTURF
TBS	TIFWAY 419 BERMUDA SOD

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

Kimley»Horn
10 Lea Avenue, Suite 400, Nashville, TN 37210
Main: 615.564.2701 | www.kimley-horn.com

COLLEGE STREET LANDSCAPE IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

ALISHA ELEY
REGISTERED LANDSCAPE ARCHITECT
TENNESSEE No. 00000920
AGRICULTURE COMMERCE
02/14/2024

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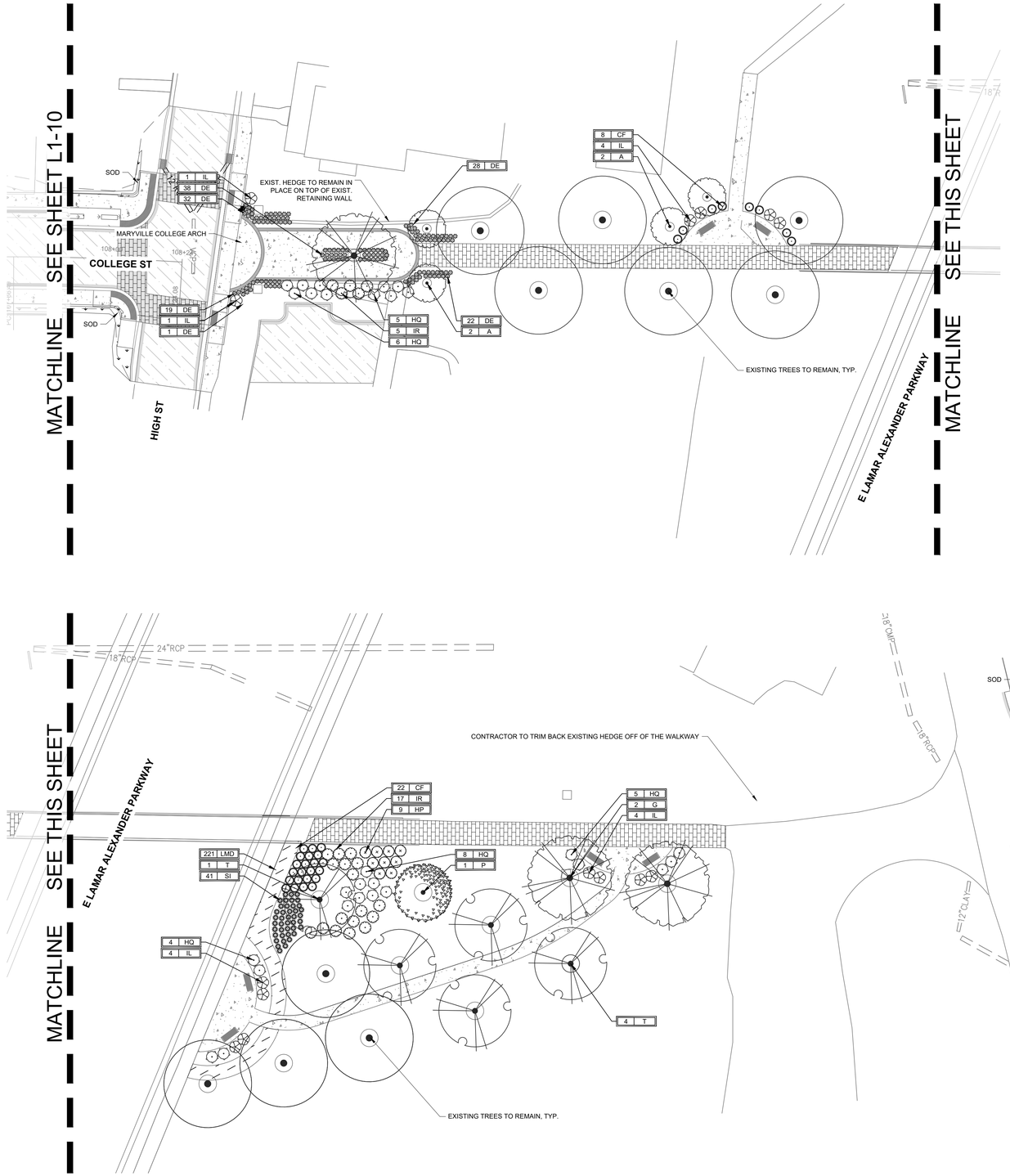
DESIGNED BY:	BPB
DRAWN BY:	AMA
CHECKED BY:	ARE
DATE:	02/14/2024

KIMLEY-HORN PROJECT NO.
118019006

LANDSCAPE
ENLARGEMENT

SHEET NUMBER
L1-10



LANDSCAPE PLAN NOTES

1. CONTRACTOR TO VERIFY UTILITY LOCATIONS BEFORE BEGINNING WORK.

PLANT SCHEDULE COLLEGE STREET

CODE	COMMON NAME
TREES	
G	SKYLINE HONEY LOCUST
P	CUPRESSINA NORWAY SPRUCE
T	GREENSPIRE LITTLELEAF LINDEN
UNDERSTORY TREES	
A	`AUTUMN BRILLIANCE` SERVICEBERRY
SHRUBS	
DE	AUTUMN FERN
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HQ	OAKLEAF HYDRANGEA
IL	VIRGINIA SWEETSPIRE
IR	RED SPRITE WINTERBERRY
GRASSES	
CF	FEATHER REED GRASS
SI	LITTLE BLUESTEM GRASS
GROUND COVERS	
LMD	DENSIFLORA LILYTURF
TBS	TIFWAY 419 BERMUDA SOD

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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COLLEGE STREET LANDSCAPE IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

ELISHA E. BERRY — REGISTERED — TENNESSEE — LANDSCAPE ARCHITECT

No.	REVISIONS	DATE	BY
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DESIGNED BY:	BPB
DRAWN BY:	AMA
CHECKED BY:	ARE
DATE:	02/14/2024

KIMLEY-HORN PROJECT NO. 118019006

LANDSCAPE ENLARGEMENT

SHEET NUMBER
L1-11

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

1.01 SCOPE OF WORK

A. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.

B. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

C. THE CONTRACTOR SHALL CONTACT THE OWNER AND TENNESSEE ONE CALL AT (615) 351-1111, TWO (2) FULL BUSINESS DAYS PRIOR TO THE BEGINNING OF WORK.

D. THE CITY MUST APPROVE ALL WORK HOURS AND LANE CLOSURE REQUESTS AT LEAST TWO (2) FULL WORKING DAYS IN ADVANCE OF THE START OF ANY SUCH WORK ON A LOCATION BY LOCATION BASIS. THE INDIVIDUAL(S) INSTALLING THE MAINTENANCE OF TRAFFIC SETUP SHALL HAVE COMPLETED A TDOT APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE. DOCUMENTATION SHALL BE FURNISHED TO THE CITY AT THE PRE-CONSTRUCTION MEETING OR PRIOR TO START OF WORK.

E. ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE AND DEVICES ARE VISIBLE TO MOTORISTS AND PEDESTRIANS.

1.02 PROTECTION OF EXISTING STRUCTURES

A. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND AT NO COST TO THE OWNER.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO TDOT, COUNTY, OR CITY STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA, AND THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF COMPLIANCE WITH THIS SECTION WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

1.03 PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS ($100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

1.04 MATERIALS

A. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE LANDSCAPE ARCHITECT. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

B. PLANT MATERIALS

1. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS SET FORTH IN ANSI Z60.1-2014-AMERICAN STANDARD FOR NURSERY STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR LANDSCAPE ARCHITECT. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
2. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE ROOTBALL OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
3. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

1.05 SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

A. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF ⅓ LOOSE COMPOST (NO GREATER THAN 1" SIV), ⅓ PEAT AND ⅓ SAND, AS DESCRIBED BELOW.

B. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.

C. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR APPROVAL BY THE OWNER.

D. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE, AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

E. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

1.06 WATER

A. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

** WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.*

1.07 FERTILIZER

A. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

** FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.*

1.08 MULCH

A. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES FOR ALL PLANTINGS UNLESS OTHERWISE NOTED. MULCH AT ALL PLANTING BEDS SHALL BE TRIPLE SHREDDED HARDWOOD.

1.09 DIGGING AND HANDLING

A. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT.

B. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

C. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES. ALL TREES SHALL BE PLANTED AS INDICATED ON DRAWINGS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH OF PLANTING SOIL.

1.10 CONTAINER GROWN STOCK

A. ALL TREES SPECIFIED SHALL BE BALL AND BURLAP, UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.

B. ALL SHRUB SPECIES SHALL BE CONTAINER GROWN.

C. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

D. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

E. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

1.11 MATERIALS LIST

A. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

1.12 FINE GRADING

A. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.

B. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

1.13 PLANTING PROCEDURES

A. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

B. SUBGRADE EXCAVATION: THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" AT TREES AND 18" AT SHRUBS AND PERENNIALS. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISH GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36", AND DEEP EXCAVATION BY THE CONTRACTOR AND POSITIVE DRAINAGE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

C. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CONTACT TENNESSEE ONE CALL AT (615) 351-1111 TO LOCATE ALL UTILITIES.

D. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

E. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

F. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

G. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI Z60.1-2014 - AMERICAN STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN.

H. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

I. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 1.05 OF THESE SPECIFICATIONS.

J. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

K. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 12", REMOVE AND DISPOSE ALL DEBRIS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH. MIX TOP 4" OF THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

L. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

M. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER (AS ALLOWED BY JURISDICTIONAL AUTHORITY).

1.14 LAWN SODDING

A. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

B. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

C. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

D. SODDING

1. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN THE CONTRACT LIMITS NOT COVERED BY HARDSCAPE OR VEGETATIVE MATERIAL, UNLESS SPECIFICALLY NOTED OTHERWISE.
2. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
3. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

E. LAWN MAINTENANCE

1. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING RE-GRADING IF NECESSARY).
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

1.15 CLEANUP

A. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

1.16 PLANT MATERIAL MAINTENANCE

A. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

1.17 FINAL INSPECTION AND ACCEPTANCE OF WORK

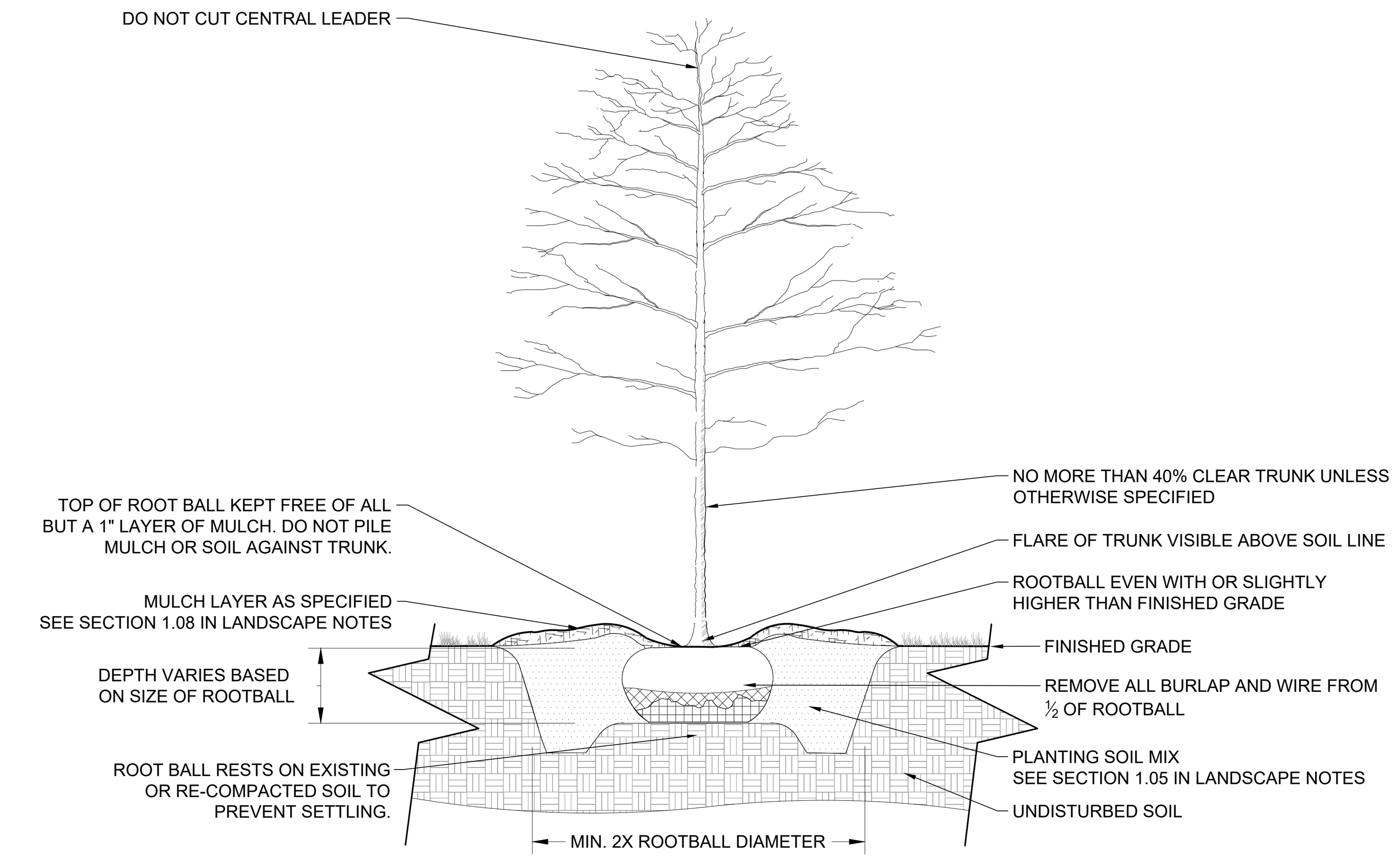
A. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

1.18 WARRANTY

A. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTIED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

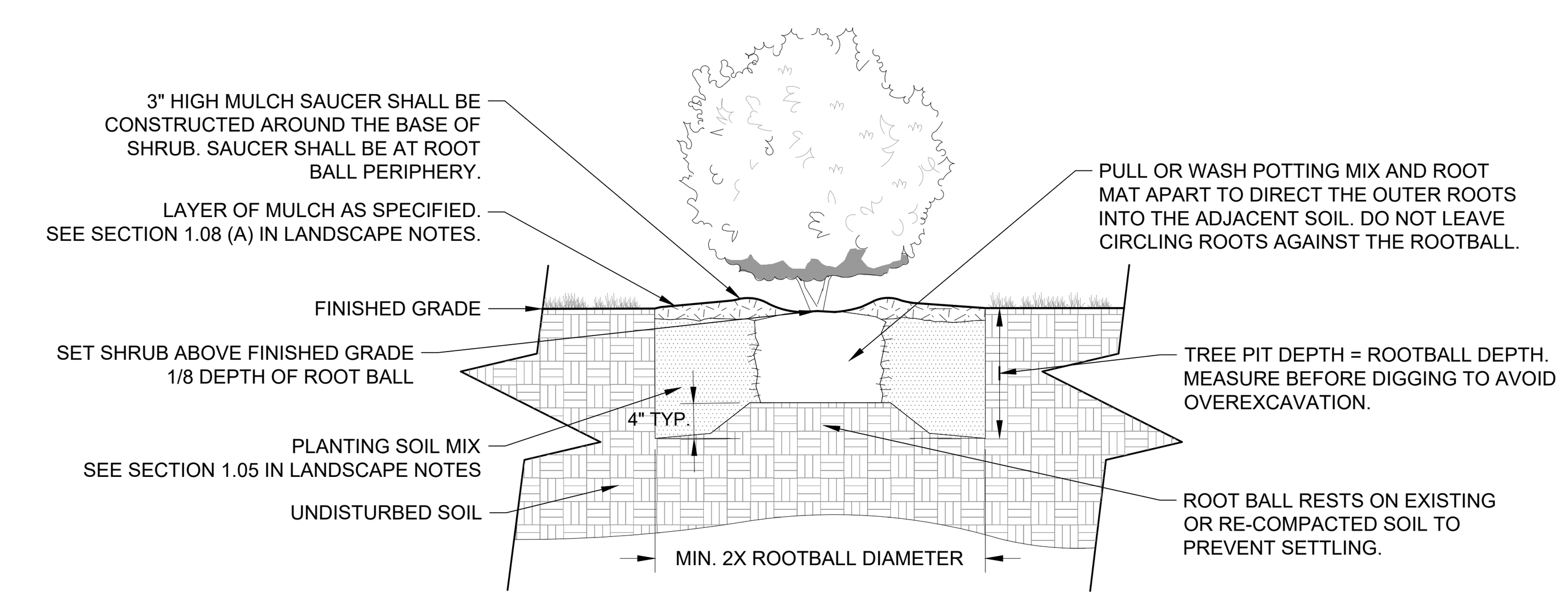
B. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION DURING THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN TEN (10) DAYS OF NOTICE, OR BETWEEN SEPTEMBER-NOVEMBER, MARCH-MAY. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

C. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.



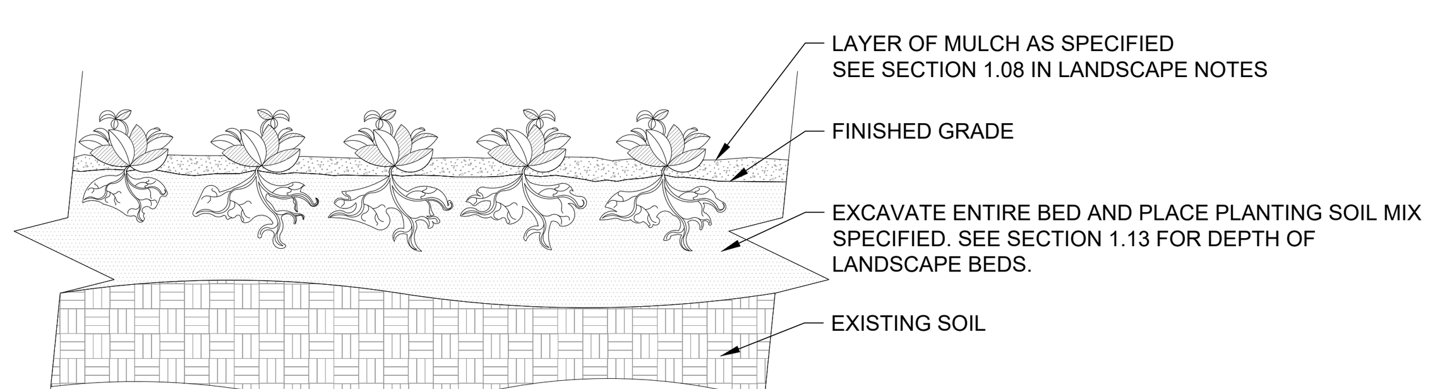
1 B&B TREE PLANTING

NOT TO SCALE

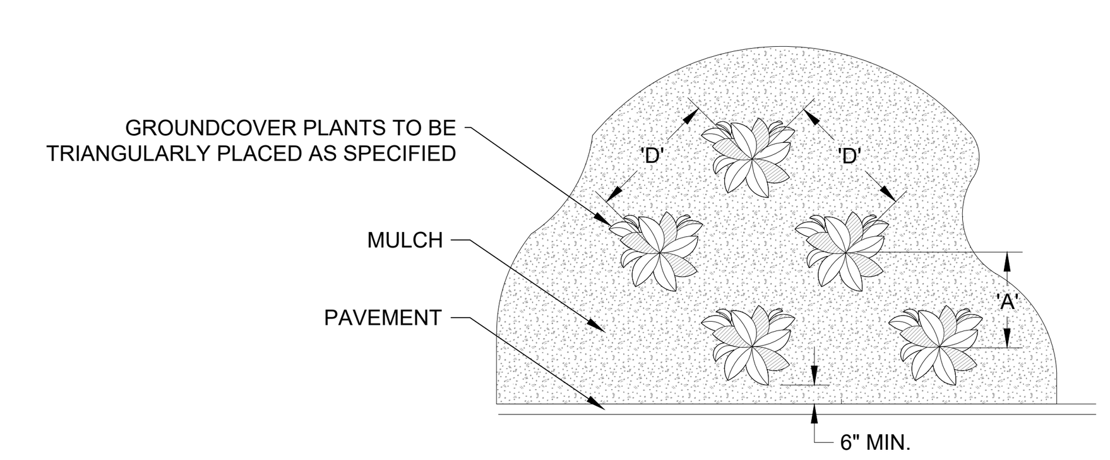


2 CONTAINER SHRUB PLANTING

NOT TO SCALE



SECTION VIEW



PLANT SPACING 'D'	ROW 'A'
8" O.C.	6.93" O.C.
10" O.C.	8.66" O.C.
12" O.C.	10.4" O.C.
18" O.C.	15.6" O.C.
24" O.C.	20.8" O.C.
36" O.C.	30.0" O.C.
48" O.C.	31.5" O.C.

PLAN VIEW

NOTES:
1 SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2 SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

3 GROUNDCOVER PLANTING

NOT TO SCALE

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COLLEGE STREET LANDSCAPE IMPROVEMENTS
CITY OF MARYVILLE
MARYVILLE, TN

CITY of MARYVILLE
PEOPLE are the KEY

ALISHA ELEY
REGISTERED
AGRICULTURE COMMERCE
TENNESSEE No. 0000920
LANDSCAPE ARCHITECT

No.	REVISIONS	DATE	BY
1			
2			
3			
4			
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6			
7			
8			
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10			

DESIGNED BY: #096
DRAWN BY: #097
CHECKED BY: #098
DATE: 02/14/2024
KIMLEY-HORN PROJECT NO. 118019006

LANDSCAPE NOTES & DETAILS

SHEET NUMBER
L1-50