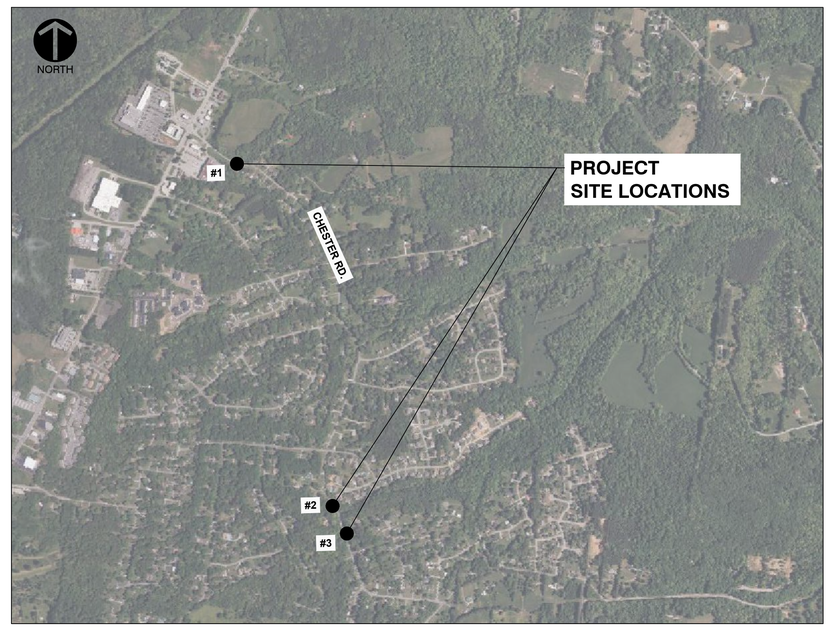
NORTH

CITY OF FAIRVIEW
CHESTER ROAD
STORMWATER IMPROVEMENTS

FAIRVIEW, WILLIAMSON COUNTY, TN
NOVEMBER 2024

VICINITY MAP

SCALE IN FEET
0 2000 4000



SITE MAP

SCALE IN FEET
0 100 200

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PERMITTING / UTILITY COMPANIES

ZONING
CITY OF FAIRVIEW PLANNING AND CODES DEPT.
7111 BOWIE LAKE ROAD
FAIRVIEW, TN 37062
CONTACT: MARIA BRUCE
PHONE: 615-799-1585

PUBLIC WORKS
CITY OF FAIRVIEW PUBLIC WORKS DIRECTOR
7100 CITY CENTER WAY
FAIRVIEW, TN 37062
CONTACT: TODD BRATCHER
PHONE: 615-566-8668

WATER SERVICE
WATER AUTHORITY OF DICKSON COUNTY
101 COWAN ROAD
DICKSON, TN 37055
CONTACT: TIM SWAW
PHONE: 615-533-4931

SANITARY SEWER SERVICE
WATER AUTHORITY OF DICKSON COUNTY
101 COWAN ROAD
DICKSON, TN 37055
CONTACT: TIM SWAW
PHONE: 615-333-4931

ELECTRIC SERVICE
MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORP.
555 NEW SALEM HIGHWAY
MURFREESBORO, TN 37129
CONTACT: JOHNATHAN MCPHERSON
PHONE: 615-595-4695

GAS SERVICE
PIEDMONT NATURAL GAS
83 CENTURY BOULEVARD
NASHVILLE, TN 37214
CONTACT: STEPHEN FRANCESCON
PHONE: 615-872-2407

TELEPHONE SERVICE
AT&T
333 COMMERCE STREET, FLOOR 23
NASHVILLE, TN 37201
CONTACT: AARON SHEPPARD
PHONE: 629-888-6046

BASIS OF BEARINGS
EXISTING TOPOGRAPHIC INFORMATION FROM A SURVEY PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. DATED OCTOBER 2024 BASED OFF OF TENNESSEE STATE PLANE COORDINATE SYSTEM (NAD83).

UTILITY NOTE
THE UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE, UNDERGROUND UTILITY MARKINGS, AND SURVEY BY CEC DATED OCTOBER 2024. CEC MAKES NO GUARANTEE THAT THEY COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CEC DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THEREFORE RELIANCE UPON SIZE, TYPE, AND LOCATION SHALL BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. IT IS RECOMMENDED THAT TENNESSEE ONE-CALL SYSTEM, INC. BE NOTIFIED BEFORE ANY EXCAVATION IS CONDUCTED. DIAL 811.

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

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

PROJECT TEAM

OWNER/DEVELOPER
CITY OF FAIRVIEW
7100 CITY CENTER WAY
FAIRVIEW, TN 37062
CONTACT: TOM DAUGHERTY
PHONE: 615-387-6084
EMAIL: TDAUGHERTY@FAIRVIEW-TN.ORG

CIVIL ENGINEER & LAND SURVEYOR
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
117 SEABOARD LANE, SUITE E100
FRANKLIN, TN 37067
CONTACT: JJ THORNTON, P.E. - PROJECT ENGINEER
PHONE: 615-333-7797
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FLOODPLAIN NOTE
FLOODPLAIN AND FLOODWAY LINES SHOWN ARE BASED ON FEMA FLOOD INSURANCE RATE MAP NO. 47187C0135F AND 47187C0153F EFFECTIVE DATE SEPTEMBER 29, 2006.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
No. 115295
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

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Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

COVER SHEET

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.: **C000**
SHEET OF

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GENERAL PROJECT NOTES

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF FAIRVIEW A MINIMUM OF 2 BUSINESS DAYS PRIOR TO COMMENCING WORK ON THIS PROJECT, HOLIDAYS AND WEEKENDS EXCLUDED. WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION MEETING IS HELD ONSITE TO CONFIRM PROJECT LOCATIONS.
2. ANY MODIFICATIONS TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ENGINEER.
3. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF FAIRVIEW AND/OR THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.
5. SITE IS TO BE CONSTRUCTED IN A MANNER THAT REDUCES DISRUPTION TO NEIGHBORING OPERATIONS TO MAXIMUM EXTENT POSSIBLE. TEMPORARY MEASURES REQUIRED TO FACILITATE DAILY OPERATIONS DURING THE CONSTRUCTION PERIOD SHALL BE IMPLEMENTED BY THE CONTRACTOR; UNDER NO CIRCUMSTANCES SHOULD IMPLEMENTATION OF THESE MEASURES JEOPARDIZE THE SAFETY OF NEIGHBORING EMPLOYEES OR THE CONTRACTOR.
6. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH ALL FEDERAL OSHA REGULATIONS. CONTRACTOR TO PAY PARTICULAR ATTENTION TO 29 CFR PART 1926, SUBPARTS M AND P.
7. CONTRACTOR TO PROVIDE TRAFFIC CONTROL MEASURES FOR ALL WORK COMPLETED WITHIN THE RIGHT OF WAY.
8. CONTRACTOR TO CLEAN AND SWEEP STREETS SURROUNDING AREAS OF CONSTRUCTION EACH DAY DURING CONSTRUCTION.
9. BEFORE INSTALLATION OF STORM, SANITARY SEWER, OR OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT HE/SHE IS NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
10. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
11. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
12. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO BEGINNING WORK.
13. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
14. FENCE NOT TO BE REMOVED/DISTURBED.

GENERAL SURVEY NOTES

1. EXISTING SITE INFORMATION/TOPOGRAPHIC SURVEY IS A COMBINATION OF INFORMATION PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. DATED OCTOBER 2024, AND AVAILABLE STATE LIDAR DATA DATED 2018.
2. ELEVATION DATA BASED ON EXISTING SITE FEATURES. CONTACT CEC SURVEY DEPARTMENT FOR CONTROL POINT INFORMATION.
3. BEARINGS ARE BASED ON TENNESSEE STATE PLANE COORDINATE SYSTEM (NAD83).

GENERAL DEMOLITION NOTES

1. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD.
2. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO THE APPROPRIATE UTILITY COMPANY STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
3. EROSION AND SEDIMENTATION CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE PROPERLY INSTALLED AND SHALL FUNCTION PROPERLY PRIOR TO INITIALIZATION OF DEMOLITION ACTIVITIES.
4. ASBESTOS OR HAZARDOUS MATERIALS ARE NOT EXPECTED. IF FOUND ON SITE, SUCH MATERIALS SHALL BE HANDLED AND REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATIONS. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
5. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL AND OSHA REGULATIONS DURING ALL DEMOLITION ACTIVITIES.
6. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, AND FEATURES TO REMAIN. ANY ITEMS TO REMAIN THAT HAVE BEEN DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
8. PROVIDE NEAT, STRAIGHT, FULL DEPTH, SAW CUTS OF EXISTING PAVEMENT WHERE INDICATED ALONG LIMITS OF PAVEMENT DEMOLITION AND ALONG EDGES OF NEW PAVEMENT.
9. ALL UTILITY AND STRUCTURE REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED AND PROPERLY DOCUMENTED BY A CERTIFIED PROFESSIONAL. WHEN APPLICABLE, WITH THE APPROPRIATE UTILITY COMPANY, MUNICIPALITY AND/OR AGENCY. DEMOLITION OF REGULATED ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: WELLS, ASBESTOS, UNDER GROUND STORAGE TANKS, SEPTIC TANKS AND ELECTRIC TRANSFORMERS. DEMOLITION CONTRACTOR SHALL REFER TO ANY ENVIRONMENTAL STUDIES FOR DEMOLITION RECOMMENDATIONS AND GUIDANCE. AVAILABLE ENVIRONMENTAL STUDIES MAY INCLUDE, BUT ARE NOT LIMITED TO: PHASE I ESA, PHASE II ESA, WETLAND AND STREAM DELINEATION AND ASBESTOS SURVEY. ALL APPLICABLE ENVIRONMENTAL STUDIES SHALL BE MADE AVAILABLE UPON REQUEST TO THE OWNER.
10. NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER.
11. ALL PAVEMENT, BASE COURSES, ETC., WITHIN THE AREA TO BE DEMOLISHED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE PROVIDED THAT THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE REPORT OF GEOTECHNICAL INVESTIGATION. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE AREAS TO RECEIVE LANDSCAPING.
12. THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITY.

GENERAL LAYOUT NOTES

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING CONDUITS, PRIOR TO INSTALLATION OF PAVED SURFACES.
3. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL PROVIDE A PHOTO-LOG TO THE OWNER AND ENGINEER PRIOR TO BEGINNING WORK.
4. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.

GENERAL GRADING NOTES

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EPSC PLAN PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
3. ALL AREAS NOT PAVED SHALL BE STABILIZED WITH SEED AND MULCH, UNLESS NOTED OTHERWISE.
4. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
5. GRADING OPERATIONS TO BE CONDUCTED IN A MANNER THAT MINIMIZES TRACKING OF SOILS ONTO SITE PAVING.

GENERAL DRAINAGE NOTES

1. DIMENSIONS SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
3. ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES, SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.

GENERAL UTILITY NOTES

1. INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
4. ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
5. ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES, UNLESS OTHERWISE INDICATED.
6. CONTRACTOR SHALL COORDINATE WITH EACH UTILITY PROVIDER THE INSTALLATION OF UTILITY CONDUITS FOR TELEPHONE, ELECTRIC, GAS, IRRIGATION, ETC. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR FOR THE TRENCHING AND CONDUIT INSTALLATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING CITY INSPECTION COSTS.

DETOUR NOTES

1. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE DETOUR PLAN OUTLINED FOR THIS PROJECT.
2. THE ROAD CLOSURES SHALL BE LIMITED TO 9 A.M. – 3 P.M. MONDAY THROUGH FRIDAY.

GENERAL NOTES

A. CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF ANY EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.

B. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

C. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

D. WARRANTY/DISCLAIMER: THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING AND LANDSCAPE ARCHITECTURE FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER, LANDSCAPE ARCHITECT, NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER OR LANDSCAPE ARCHITECT INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

E. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OR LANDSCAPE ARCHITECT OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.

F. ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER AND/OR LANDSCAPE ARCHITECT FOR SPECIFICATION SECTIONS FOR ITEMS THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.

G. FOR THE PURPOSES OF THIS PROJECT THE CONTRACTOR SHALL USE THE FOLLOWING TDOT SPECIFICATION SECTIONS AND RELATED SECTIONS LISTED BELOW:
   SECTION 201 – CLEARING AND GRUBBING
   SECTION 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS
   SECTION 203 – EXCAVATION AND UNDERCUTTING
   SECTION 204 – STRUCTURE EXCAVATION FOUNDATION PREPARATION, AND BACKFILL
   SECTION 205 – EMBANKMENTS
   SECTION 206 – FINAL DRESSING
   SECTION 716 – PAVEMENT MARKINGS
   SECTION 801 – SEEDING
   SECTION 918 – LANDSCAPING MATERIALS

H. WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE WATER QUALITY PERMITS.

I. ALL POUR-IN-PLACE STRUCTURES MUST BE INSTALLED IN ACCORDANCE WITH TDOT SPECIAL PROVISION SP502C. CONTRACTOR MAY PROPOSE ALTERNATE TO POUR-IN-PLACE STRUCTURES; ALL ALTERNATE PROPOSALS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL BY THE ENGINEER.

J. THE CONTRACTOR SHALL NOTIFY THE CITY AND ENGINEER AT LEAST TWO BUSINESS DAYS IN ADVANCE OF CONCRETE POURS FOR THE PROPOSED STRUCTURES.

K. ALL TRAFFIC SIGNAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE MUTCD 11TH/ EDITION (FHWA).

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

1. THE CONTRACTOR SHALL REFER TO THE EPSC PLANS, NOTES AND DETAILS FOR ADDITIONAL NOTES AND REQUIREMENTS RELATED TO GOOD HOUSEKEEPING MEASURES AND WASTE DISPOSAL.
2. 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.
3. 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.
4. 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), AND CORPS OF ENGINEERS SECTION 404 PERMITS, TO DISPOSE OF WASTE MATERIALS.
5. MATERIALS AND LAND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS, OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATES. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE ENGINEER TO COMMENCE PERMIT RENEWAL PROCESS.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL REFER TO THE EPSC PLANS AND DETAILS FOR ADDITIONAL NOTES AND REQUIREMENTS RELATED TO EROSION AND SEDIMENT CONTROL.
2. EROSION AND SEDIMENT CONTROL MEASURES TO BE SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
3. SITE EROSION CONTROLS SHALL BE CHECKED AND, REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT; BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE NEED IS IDENTIFIED.
4. ANY OFF SITE SEDIMENT ACCUMULATIONS SHALL BE REMOVED DAILY. OFFSITE ACCUMULATIONS DEPOSITED ON PRIVATE PROPERTY SHALL BE REMOVED BY METHODS AGREED UPON BY THE CONTRACTOR AND THE ADJACENT LAND OWNER(S).
5. STABILIZE AREAS WITHIN 14 DAYS AND STEEP SLOPES EQUAL TO OR GREATER THAN 3:1 WITHIN 7 DAYS.
6. CONTRACTOR SHALL PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT FUELING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH OWNER DURING PRECONSTRUCTION MEETING. CONTROL OF OTHER SITE WASTES SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTES THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY IS ALSO REQUIRED BY THE CONTRACTOR.
7. ALL EPSC MEASURE LOCATIONS ARE APPROXIMATE.
8. INSTALL TDOT TYPE IV EROSION CONTROL BLANKETING (BIODEGRADEABLE) ON ALL SIDE SLOPES 3:1 (H:V) AND STEEPER.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

1. THE CONTRACTOR SHALL DEVELOP TRAFFIC CONTROL PLANS FOR ALL CONSTRUCTION ACTIVITIES AND PROVIDE TO THE ENGINEER A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO STARTING WORK FOR REVIEW AND APPROVAL. ALL TRAFFIC CONTROL PLANS AND TRAFFIC CONTROL DEVICES SHALL MEET OR EXCEED STANDARDS CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND TDOT STANDARDS.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
3. ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
4. IF THE CONTRACTOR MOVES OFF THE PROJECT, THEY SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER.
5. A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
6. TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
7. USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT.
8. CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS WITHIN VICINITY OF PROJECT.

Know what's below. Call before you dig.

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

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Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

GENERAL NOTES

DATE: NOVEMBER 2024	DRAWN BY: SP
DWG SCALE:	CHECKED BY: JCT
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.: C001
SHEET OF

MR. JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
No. 123367
STATE OF TENNESSEE

P:\336-000\336-896\-CADD\Dwg\WR01\336-896-WR01-C001.dwg(C001) LS:(11/5/2024 - spowell) - LP: 11/8/2024 11:40 AM

TDOT STANDARD ROADWAY DRAWINGS

DRAWING	REVISION	DESCRIPTION
EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE

STANDARD STRUCTURE DRAWINGS

NEW STRUCTURES		
STD-9-1	10-07-08	REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS
STD-10-1	04-08-05	MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS
STD-11-1	05-01-14	BRIDGE RAILING W/ STRUCTURAL TUBING
LRFD BOX CULVERTS		
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY
STD-17-3		GENERAL NOTES
STD-17-5		TYPICAL SECTION AND DETAILS
STD-17-6		TYPICAL ELEVATIONS
STD-17-7		CURB, RAIL & EDGE BEAM DETAILS - SKEW NOT LESS THAN 45 DEG.
STD-17-9		INTERIOR WALL END TREATMENTS
STD-17-10		TYPICAL WINGWALL DETAILS AND NOTES
STD-17-13		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-14		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-16		WINGWALL DESIGN SECTION
STD-17-17	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-17-18		BACKFILL DETAILS
STD-17-20		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-17-25		STAGE CONSTRUCTION JOINT DETAIL (FILL ABOVE TOP OF SLAB NOT GREATER THAN 3'-6")
STD-17-51	05-01-2014	BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3'-6', 0-60' FILL
STD-17-111		SLAB BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3'-6', 0-60' FILL

STANDARD TRAFFIC OPERATIONS DRAWINGS

SIGNS		
T-S-14	10-21-19	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS

Know what's below. Call before you dig.

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

JOSEPH CHESTER THORNTON REGISTERED ENGINEER AGRICULTURE No. 123397 STATE OF TENNESSEE

Joseph Chester Thornton III

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

STANDARD DRAWINGS

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO.:	336-896
APPROVED BY:	TJM

DRAWING NO.: C002

SHEET OF

P:\336-000\336-896\-CADD\Dwg\WR01\336-896-WR01-C002.dwg[C002] LS(11/4/2024 - jthornton) - LP: 11/8/2024 11:40 AM

CHESTER ROAD CULVERT REPLACEMENTS QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	491
203-20.01	CHANNEL SUBSTRATE	C.Y.	4
209-08.03	TEMPORARY SILT FENCE	LS	1
209-09.01	SANDBAGS	LS	1
209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	3
209-99.91[1]	EROSION CONTROL	LS	1
303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	798
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	78
307-02.01	ASPHALT CONCRETE MIX (PG 70-22) (BPMB-HM) (GRADING A)	TON	47
307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) (GRADING B-M2)	TON	31
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	1
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	2
403-02.01	TRACKLESS TACK COAT	TON	1
411-02.10	ACS MIX (PG70-22) GRADING D	TON	26
604-02.01[2]	CLASS A CONCRETE	C.Y.	90
604-03.02[3]	STEEL BAR REINFORCEMENT	LB.	17050
709-05.06	MACHINED RIP-RAP (CLASS A-1)	C.Y.	23
712-01	TRAFFIC CONTROL	LS	1
712-05.01	WARNING LIGHTS (TYPE A)	EACH	5
712-06	SIGNS (CONSTRUCTION)	S.F.	390
712-07.03[4]	TEMPORARY BARRICADES (TYPE III)	L.F.	84
713-02.20	TYPE III OBJECT MARKER	S.F.	36
713-06	STEEL WF-BEAM (BREAKAWAY) SIGN SUPPORT	L.F.	126
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	0.14
717-01	MOBILIZATION	LS	1
740-11.03	TEMPORARY SEDIMENT TUBE 18 INCH	LS	1
801-01	SEEDING (WITH MULCH)	UNIT	3
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	3
801-03	WATER (SEEDING)	M.G.	1
801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	15
801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	1
805-12.04[5]	EROSION CONTROL BLANKET (TYPE IV) BIODEGRADEABLE	S.Y.	74

[1]TO INCLUDE PUMP AROUND AND OTHER MISCELLANEOUS ITEMS

[2]ALL POUR-IN-PLACE STRUCTURES MUST BE INSTALLED IN ACCORDANCE WITH TDOT SPECIAL PROVISION SP502C. CONTRACTOR MAY PROPOSE ALTERNATE TO POUR-IN-PLACE STRUCTURES; ALL ALTERNATE PROPOSALS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL BY THE ENGINEER (63 C.Y. CULVERT, 27 C.Y. WINGWALLS)

[3](13832 LB CULVERT, 3218 LB WINGWALLS)

[4]TEMPORARY BARRICADE FOR ONE LOCATION AS ONLY ONE LOCATION AND DETOUR CAN BE IN PLACE AT A TIME

[5]TYPE IV EROSION CONTROL BLANKET MUST BE BIODEGRADEABLE

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

NOTE TO CONTRACTOR
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JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 112392
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

117 Seaboard Lane
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Franklin, TN 37067
Ph: 615.333.7797
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Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

QUANTITIES

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.:
C003
SHEET OF

P:\336-2001\336-896\-CADD\Dwg\WRD\336-896-WRD1-C003.dwg(C003) LS:(11/8/2024 - jjhornton) - LP: 11/8/2024 11:40 AM

LOCATION #1

NORTH

FEMA EFFECTIVE FLOODWAY

65 SY OF EXISTING PAVEMENT TO BE MILLED

PHILIPS BUILDERS, LLC.
MAP 042, PARCEL 142.00
BK 9510, PG 676

INV=790.1
30" CMP

INV=789.3
30" CMP
(SQUASHED)

INV=789.8
30" CMP
(SQUASHED)

APPROXIMATE LOCATION OF RIGHT-OF-WAY

FEMA 100YR FLOODPLAIN

SAWCUT AND REMOVE FULL DEPTH PAVEMENT 802 C800

3 SECTIONS OF 42 LF OF 30" CMP CULVERTS TO BE REMOVED

TREES &BRUSH

5/8"IR CHAPDELAINE

WEEDS

INV=792.3
36" HDPE

INV=792.3
36",HDPE

CONCRETE HEADWALL

19 5/8"IR CHAPDELAINE

ASPHALT

GRASS

CONCRETE DRIVE

98 SY OF EXISTING PAVEMENT TO BE REMOVED

FEMA 500YR FLOODPLAIN

INV=794.8
15" HDPE

INV=791.9
36" HDPE

INV=792.0
36" HDPE

PIPE DIRECTION
(ORIGIN NOT LOCATED)

INV=791.5
18" HDPE

11 IRON PIN

INV=793.8
15" HDPE

802 C800 SAWCUT AND REMOVE FULL DEPTH PAVEMENT

HUNTING CAMP CREEK TRIBUTARY 4

LINDA CAROLYN CRAWFORD
MAP 042P, PARCEL 1.00
BK 6136, PG 528
LOT 1, ROSEWOOD ESTATES
PB 20, PG 48

INV=791.1
30" CMP

INV=790.3
30" CMP

INV=790.9
30" CMP

5/8"IR 12 CHAPDELAINE

BOBBY GENE COCHRAN
MAP 042P, PARCEL 2.00
BK 5050, PG 290
LOT 2, ROSEWOOD ESTATES
PB 20, PG 48

APPROXIMATE LOCATION OF RIGHT-OF-WAY

END WWC-1/UDF-1
START STR-1

APPROXIMATE PROPERTY BOUNDARY (TYP.)

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
- 795 MAJOR CONTOUR
- 796 INTERMEDIATE CONTOUR
- FENCE LINE
- SAN FORCE MAIN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREE LINE
- FIR FOUND IRON ROD
- UTILITY POLE
- GUY WIRE
- WATER METER
- MAILBOX
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- PAVEMENT TO BE REMOVED FULL DEPTH
- LINEAR OBJECT TO BE REMOVED
- PAVEMENT TO BE MILLED

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

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

BENCHMARK NOTE
BENCHMARK IS LOCATED WEST OF THE SHEET:
SITE BENCHMARK CONTROL POINT 202 MAG NAIL W/WASHER IN ASPHALT
N 598392.508
E 1635067.779
ELEVATION 796.70

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
No. 123361
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

117 Seaboard Lane
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Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	NOVEMBER 2024	DRAWN BY: SP
		CHECKED BY: JCT
DWG SCALE:		
PROJECT NO:		336-896
APPROVED BY:		TJM

DRAWING NO.: C101
SHEET OF

P:\336-2001\336-896\-CADD\Dwg\WR01\336-896-WR01-C101.dwg[C101] LS:(1)4/2024 - spowell) LP: 11/8/2024 11:40 AM

LOCATION #2

NORTH

TOP MH= 795.87
8" PVC INV. (S)= 787.2

SITE BENCHMARK
CONTROL POINT 103
IRON PIN W/CAP
N 593942.358
E 1636374.461
ELEVATION 795.64

FEMA 100YR FLOODPLAIN

FEMA 500YR FLOODPLAIN

5/8"FIR
CHAPDELAINE

802 C800 SAWCUT AND REMOVE FULL DEPTH PAVEMENT

JONATHAN G. ACEVEDO AND
SAMANTHA D. ACEVEDO
MAP 047G, GROUP D, PARCEL 11.00
BK 6198, PG 379
LOT 10, KYLES CREEK ESTATES
PB 31, PG 85

70 SY OF EXISTING PAVEMENT TO BE MILLED

YARD/ GRASS

2 SECTIONS OF 41 LF OF 36" CMP CULVERTS TO BE REMOVED

INV=787.5
36" CMP
(SQUASHED)

INV=787.6
36" CMP

95 SY OF EXISTING PAVEMENT TO BE REMOVED

INV=788.4
36" CMP

FEMA EFFECTIVE FLOODWAY

HUNTING CAMP CREEK TRIBUTARY 5

TREES &BRUSH

KIMBERLY R. URQUHART
MAP 047, PARCEL 41.00
BK 8845, PG 205
LOT 5, GRAMMER ESTATES
PB 5, PG 5
AMENDED IN PB 5, PG 98

INV=±788.6
36" CMP
(FILLED W/ DEBRIS)

YARD/ GRASS

WEEDS

802 C800 SAWCUT AND REMOVE FULL DEPTH PAVEMENT

APPROXIMATE LOCATION OF RIGHT-OF-WAY

GRAVEL DRIVE

APPROXIMATE LOCATION OF RIGHT-OF-WAY

16
CALC

5/8"
FIR

5/8"FIR
DBS ENG
1837

APPROXIMATE PROPERTY BOUNDARY (TYP.)

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- 790 MAJOR CONTOUR
- 789 INTERMEDIATE CONTOUR
- FENCE
- SAN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREELINE
- FIR FOUND IRON ROD
- UTILITY POLE
- MAILBOX
- FO FIBER OPTIC LINE MARKER
- SANITARY MANHOLE
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- PAVEMENT TO BE REMOVED FULL DEPTH
- LINEAR OBJECT TO BE REMOVED
- PAVEMENT TO BE MILLED

NOTE TO CONTRACTOR
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811 Know what's below. Call before you dig.

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
ADDISLEWAR
No. 123393
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-696
APPROVED BY:	TJM

DRAWING NO.: C102

SHEET OF

P:\336-2001\336-696\-CADD\dwg\WR01\336-696-WR01-C102.dwg[C102] LS:(11/1/2024 - spowell) - LP: 11/8/2024 11:41 AM

LOCATION #3

NORTH

SAWCUT AND REMOVE FULL DEPTH PAVEMENT 802 C800

CHARLES WADLINGTON AND CHRISTY DAVID
MAP 047, PARCEL 45.00
BK 9469, PG 784
LOT 8, GRAMMER ESTATES
PB 5, PG 5
REVISED IN PB 5, PG 98

SITE BENCHMARK
CONTROL POINT 104
MAG NAIL W/WASHER
IN ASPHALT
N 593470.432
E 1636578.725
ELEVATION 792.80

FIR

5/8"FIR W/CAP

FEMA EFFECTIVE FLOODWAY

MICHAEL P. SNODDY
MAP 047G, GROUP A,
PARCEL 2.00
BK 7089, PG 480
LOT 2, ROLLING
ACRES SUBDIVISON
PB 5, PG 86

14" CEDAR

TOP PIPE=790.6
36" CMP
(FILLED WITH DEBRIS)

81 SY OF EXISTING PAVEMENT TO BE MILLED

TOP PIPE=790.6
36" OR 42" CMP
(FILLED WITH DEBRIS)

YARD/ GRASS

ASPHALT DRIVE

INV=788.0
36" CMP

INV=789.4
18" CMP

802 C800 SAWCUT AND REMOVE FULL DEPTH PAVEMENT

INV=789.8
18" CMP

2 SECTIONS OF 41 LF OF 36" CMP CULVERTS TO BE REMOVED

82 SY OF EXISTING PAVEMENT TO BE REMOVED

TOP PIPE=790.9
36" OR 42" CMP
(FILLED WITH DEBRIS)

NO FEATURE

YARD/ GRASS

TREES &BRUSH

THERE IS A DRAIN PIPE UNDER DRIVE THAT WAS NOT FIELD LOCATED

APPROXIMATE LOCATION OF RIGHT-OF-WAY

SAMUEL BLAKE KINCAID
MAP 047G, GROUP A,
PARCEL 3.00
BK 9282, PG 531
LOT 3, ROLLING
ACRES SUBDIVISION
PB 5, PG 86

AARON J. GOODVIN AND VICTORIA GOODVIN, HUSBAND AND WIFE
MAP 047, PARCEL 46.00
BK 8914, PG 221
LOT 9, GRAMMER ESTATES
PB 5, PG 98

APPROXIMATE LOCATION OF RIGHT-OF-WAY

APPROXIMATE PROPERTY BOUNDARY (TYP.)

FEMA 500YR FLOODPLAIN

FEMA 100YR FLOODPLAIN

1/2"FIR

TOP=795.3
INV=784.6

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- 790 MAJOR CONTOUR
- 789 INTERMEDIATE CONTOUR
- FENCE
- SAN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREELINE
- FIR FOUND IRON ROD
- WATER METER
- MAILBOX
- FIBER OPTIC LINE MARKER
- TREE
- SANITARY MANHOLE
- ASPHALT EXISTING PAVEMENT
- SWALE CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- PAVEMENT TO BE REMOVED FULL DEPTH
- LINEAR OBJECT TO BE REMOVED
- PAVEMENT TO BE MILLED

Know what's below. Call before you dig.

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

SCALE IN FEET
0 10 20

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

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Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO.:	336-896
APPROVED BY:	TJM

DRAWING NO.: C103

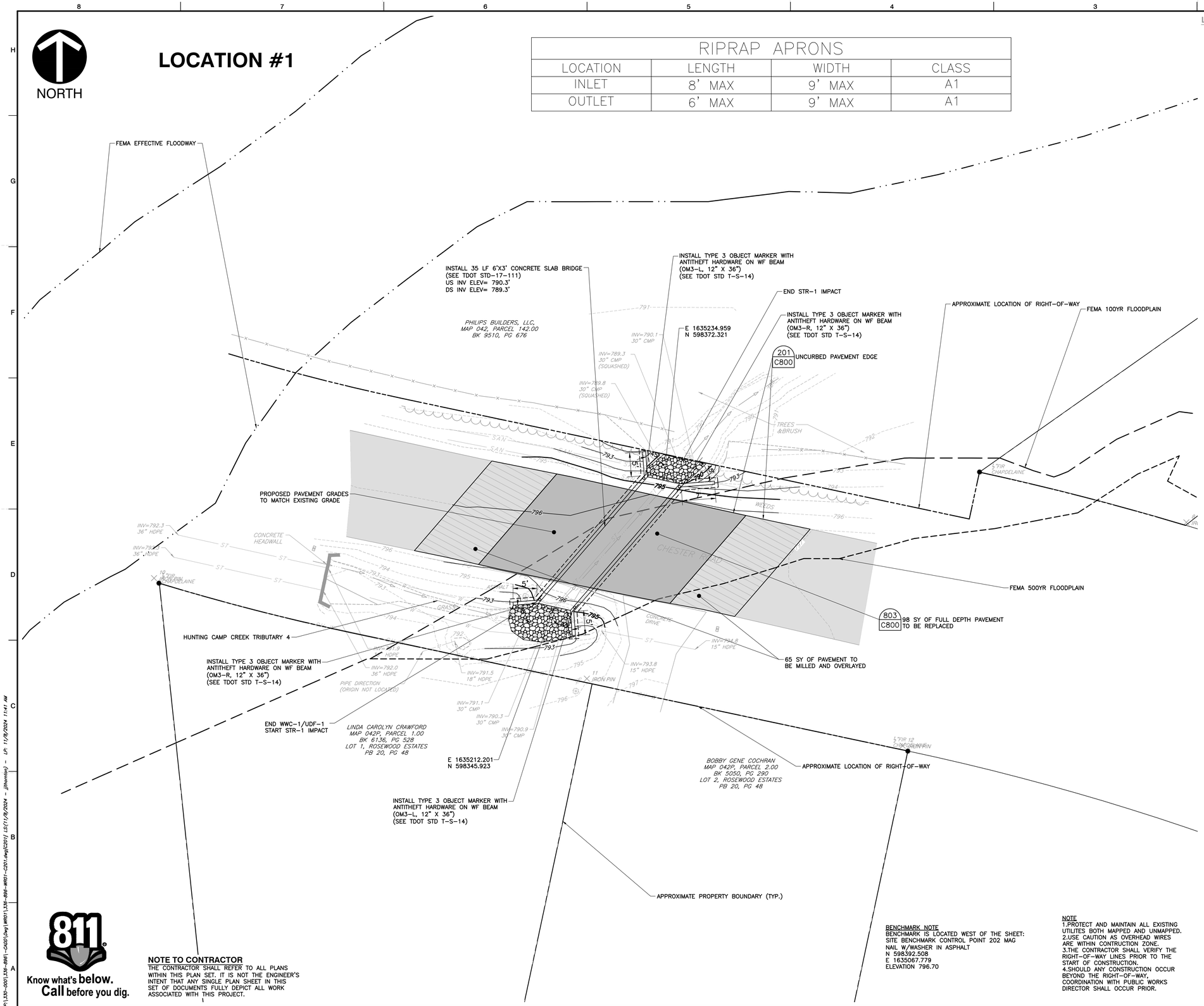
SHEET OF

P:\336-2001\336-896\-CADD\Dwg\WR01\336-896-WR01-C103.dwg[C103] LS(11/1/2024 - spowell) - LP: 11/8/2024 11:41 AM

LOCATION #1

NORTH

RIPRAP APRONS			
LOCATION	LENGTH	WIDTH	CLASS
INLET	8' MAX	9' MAX	A1
OUTLET	6' MAX	9' MAX	A1



LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
- 795 MAJOR CONTOUR
- 796 INTERMEDIATE CONTOUR
- FENCE LINE
- SAN FORCE MAIN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREE LINE
- FIR FOUND IRON ROD
- UTILITY POLE
- GUY WIRE
- WATER METER
- MAILBOX
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- 795 PROPOSED MAJOR CONTOUR
- 796 PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED

Know what's below. Call before you dig.

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BENCHMARK NOTE
BENCHMARK IS LOCATED WEST OF THE SHEET:
SITE BENCHMARK CONTROL POINT 202 MAG
NAIL W/WASHER IN ASPHALT
N 598392.508
E 1635067.779
ELEVATION 796.70

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.
4.SHOULD ANY CONSTRUCTION OCCUR BEYOND THE RIGHT-OF-WAY, COORDINATION WITH PUBLIC WORKS DIRECTOR SHALL OCCUR PRIOR.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
ARDIVLWRP
NO. 123393
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

CEC
Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

GRADING AND DRAINAGE PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-696
APPROVED BY:	TJM

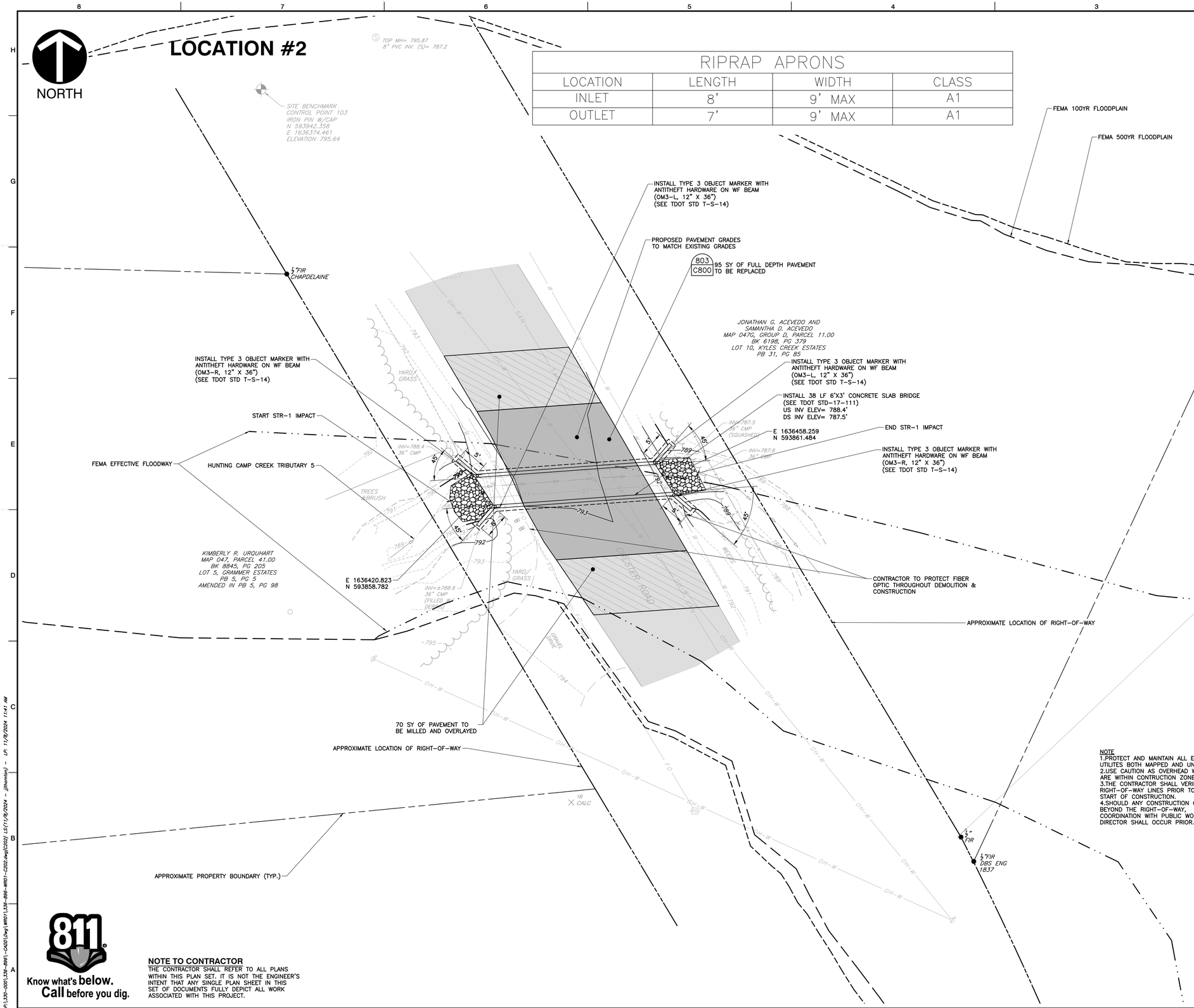
DRAWING NO.: C201
SHEET OF

F:\336-2001\336-696\-CADD\dwg\WR01\336-696-WR01-C201.dwg[C201] LS:(11/8/2024 - jlthornton) - LP: 11/8/2024 11:41 AM

LOCATION #2

NORTH

RIPRAP APRONS			
LOCATION	LENGTH	WIDTH	CLASS
INLET	8'	9' MAX	A1
OUTLET	7'	9' MAX	A1



NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.
4.SHOULD ANY CONSTRUCTION OCCUR BEYOND THE RIGHT-OF-WAY, COORDINATION WITH PUBLIC WORKS DIRECTOR SHALL OCCUR PRIOR.

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- 790 MAJOR CONTOUR
- 789 INTERMEDIATE CONTOUR
- FENCE
- SAN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREELINE
- FIR FOUND IRON ROD
- UTILITY POLE
- MAILBOX
- FIBER OPTIC LINE MARKER
- SANITARY MANHOLE
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- 795 PROPOSED MAJOR CONTOUR
- 796 PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED

Know what's below. Call before you dig.

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com
Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

GRADING AND DRAINAGE PLAN

DATE:	NOVEMBER 2024	DRAWN BY:	SP
DWG SCALE:		CHECKED BY:	JCT
PROJECT NO:			336-896
APPROVED BY:			TJM

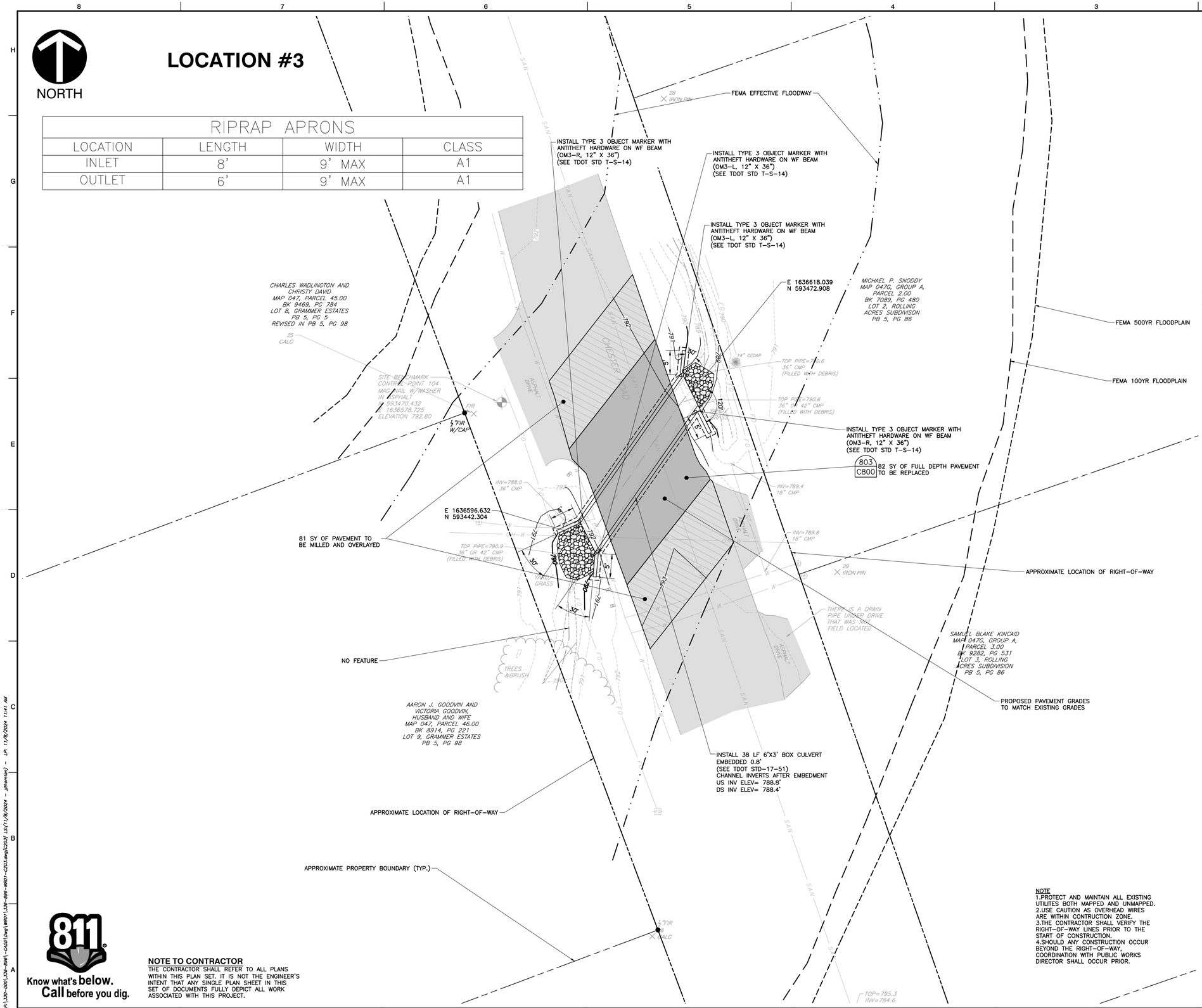
DRAWING NO.: C202
SHEET OF

P:\336-0001\336-896\-CADD\Dwg\WR01\336-896-WR01-C202.dwg[C202] LS(11/8/2024 - jlhamilou) - LP: 11/8/2024 11:41 AM

LOCATION #3

NORTH

RIPRAP APRONS			
LOCATION	LENGTH	WIDTH	CLASS
INLET	8'	9' MAX	A1
OUTLET	6'	9' MAX	A1



LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- MAJOR CONTOUR
- INTERMEDIATE CONTOUR
- FENCE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE
- UNDERGROUND FIBER OPTIC LINE
- OVERHEAD WIRE
- TREELINE
- FOUND IRON ROD
- WATER METER
- MAILBOX
- FIBER OPTIC LINE MARKER
- TREE
- SANITARY MANHOLE
- EXISTING PAVEMENT
- SWALE CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- PROPOSED MAJOR CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED

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NOTE
1. PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED.
2. USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3. THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.
4. SHOULD ANY CONSTRUCTION OCCUR BEYOND THE RIGHT-OF-WAY, COORDINATION WITH PUBLIC WORKS DIRECTOR SHALL OCCUR PRIOR.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
NO. 112392
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com
Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

GRADING AND DRAINAGE PLAN

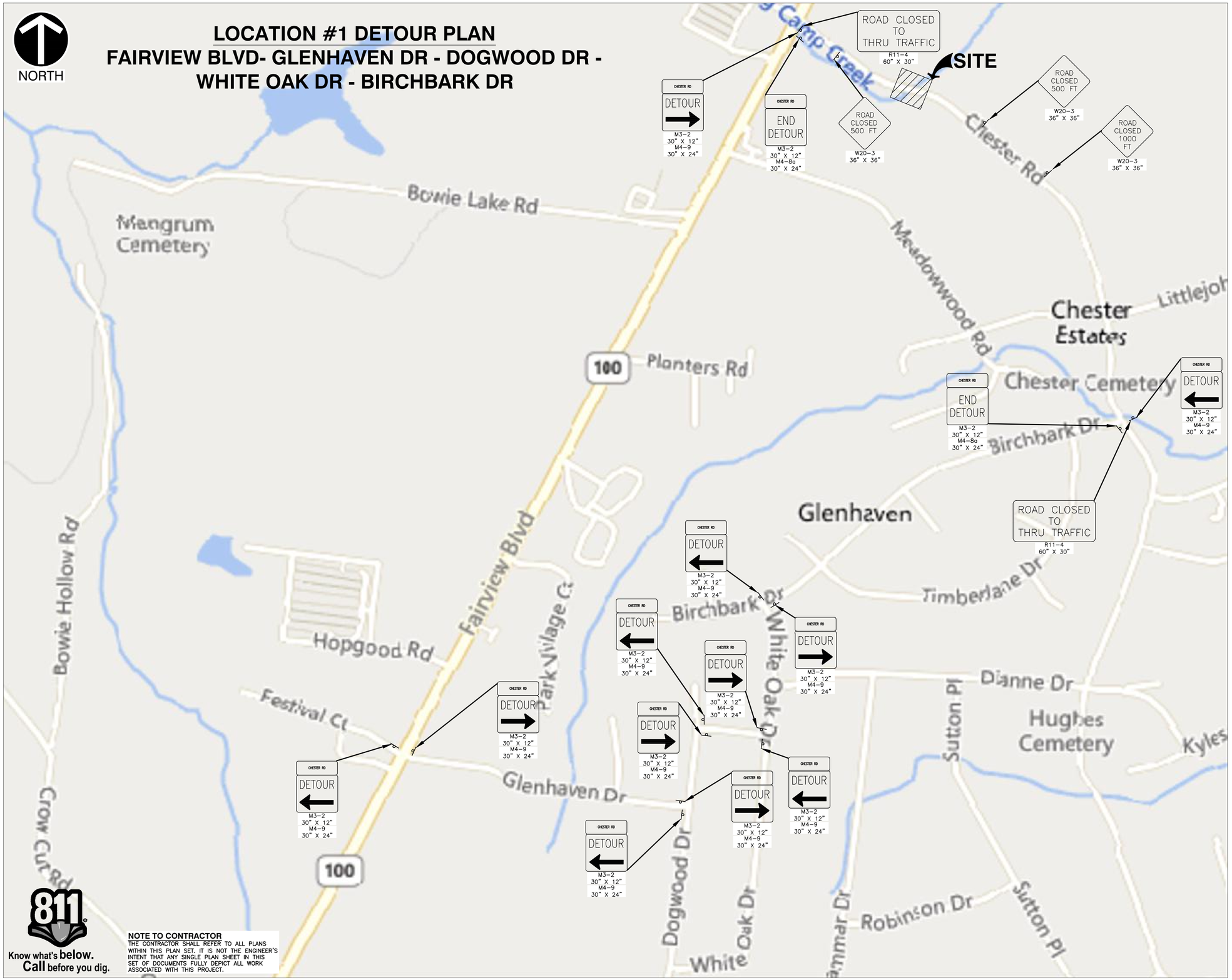
DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.: C203
SHEET OF

P:\336-2001\336-896\-CADD\Dwg\WR01\336-896-WR01-C203.dwg(C203) LS:(11/8/2024 - jjhenton) - LP: 11/8/2024 11:41 AM

LOCATION #1 DETOUR PLAN
FAIRVIEW BLVD- GLENHAVEN DR - DOGWOOD DR - WHITE OAK DR - BIRCHBARK DR

NORTH



NOTE TO CONTRACTOR
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811 Know what's below. Call before you dig.

SCALE IN FEET
0 300 600

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURAL
No. 123365
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com
Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

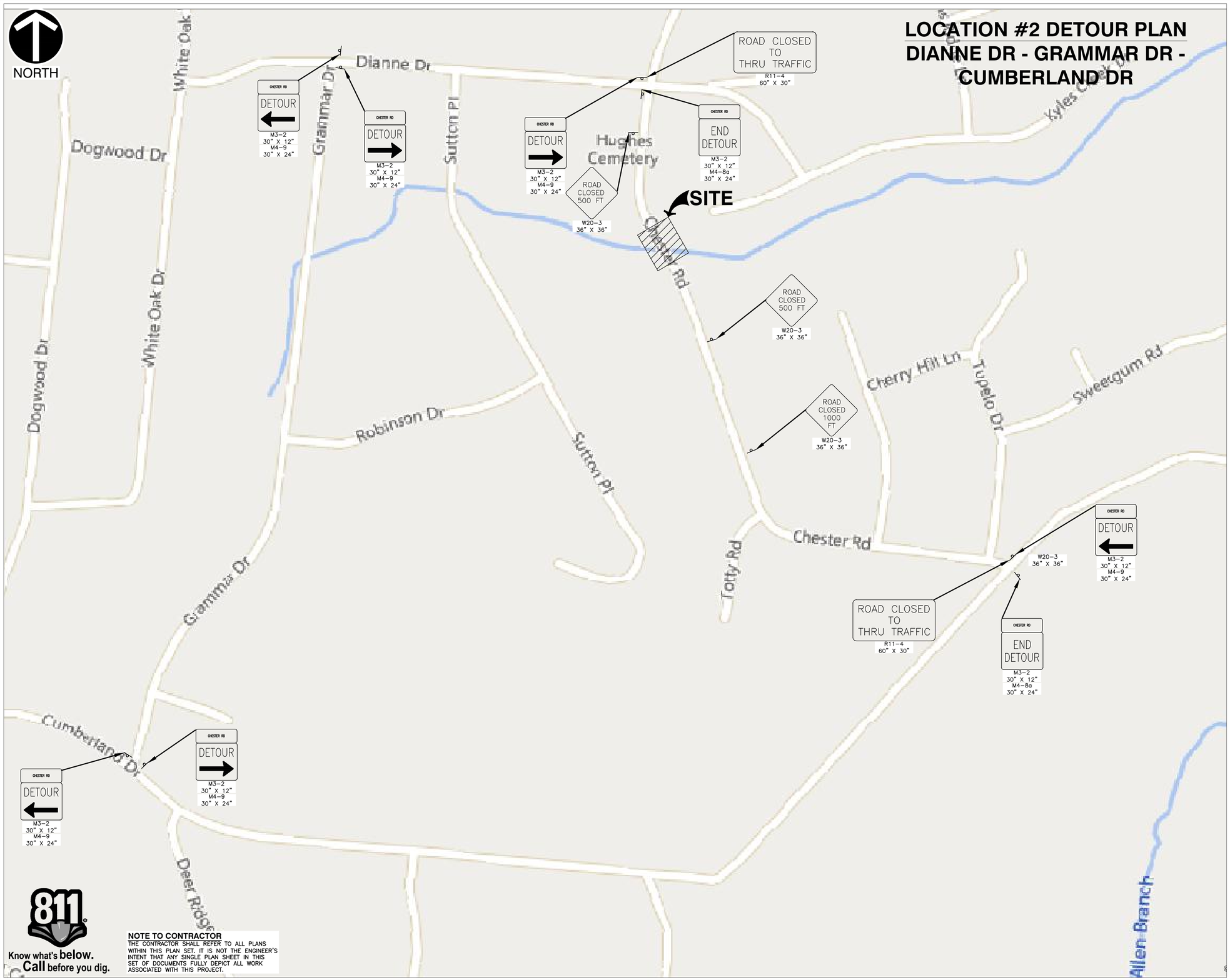
DETOUR PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-696
APPROVED BY:	TJM

DRAWING NO.: C211
SHEET OF

P:\336-2001\336-696\-CADD\Dwg\WR01\336-696-WR01-C211.dwg\C211 LS:(1to1)\2024 - jthornton - LP: 11/8/2024 11:41 AM

LOCATION #2 DETOUR PLAN
DIANNE DR - GRAMMAR DR - CUMBERLAND DR



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SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1		

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Franklin, TN 37067
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Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

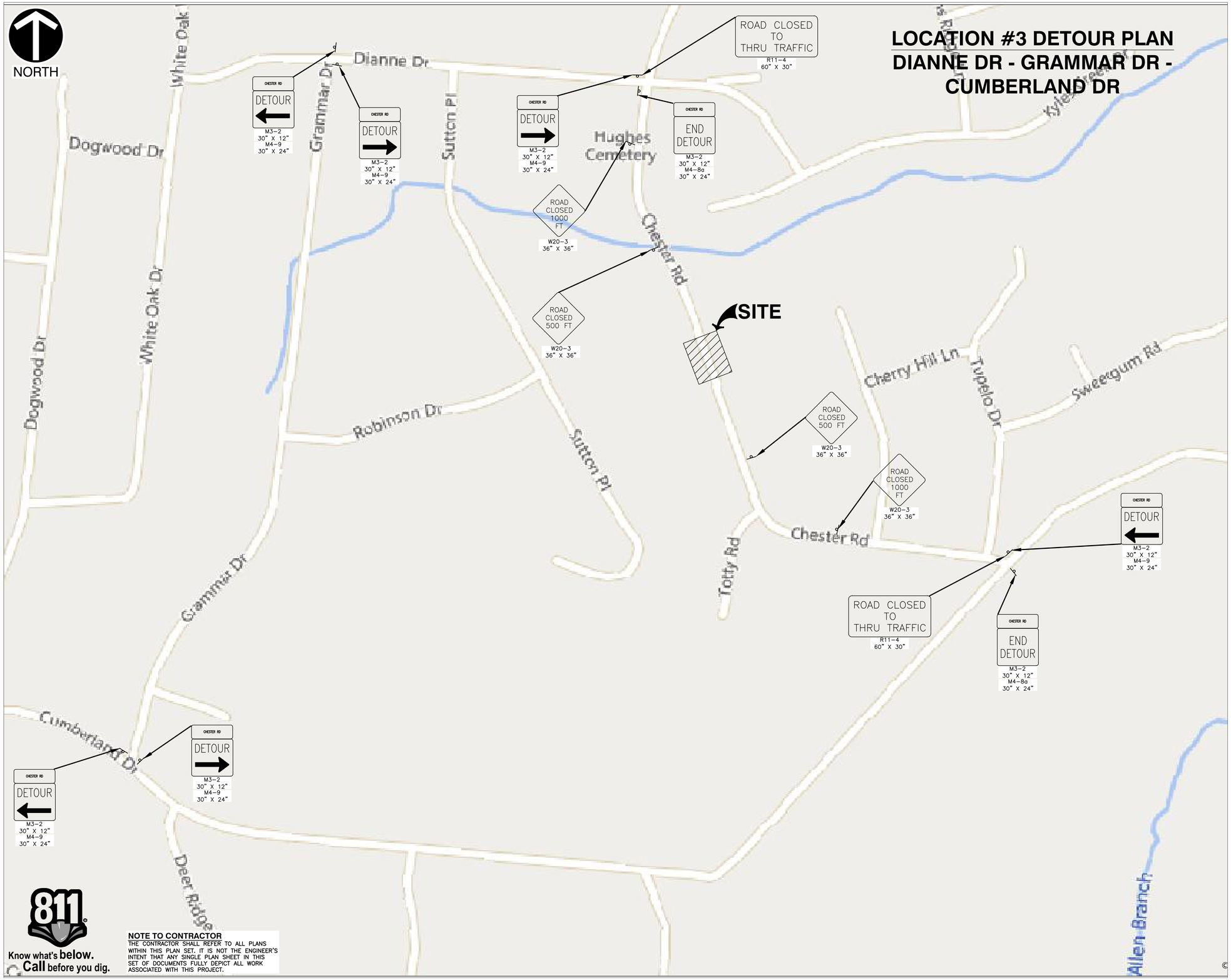
DETOUR PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.: C212
SHEET OF

P:\336-2001\336-896\-CADD\Dwg\WR01\336-896-WR01-C212.dwg[C212] LS:(10/21/2024 - jthomas) - LP: 11/8/2024 11:41 AM

LOCATION #3 DETOUR PLAN
DIANNE DR - GRAMMAR DR - CUMBERLAND DR



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1		

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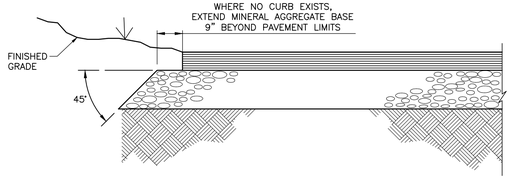
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

DETOUR PLAN

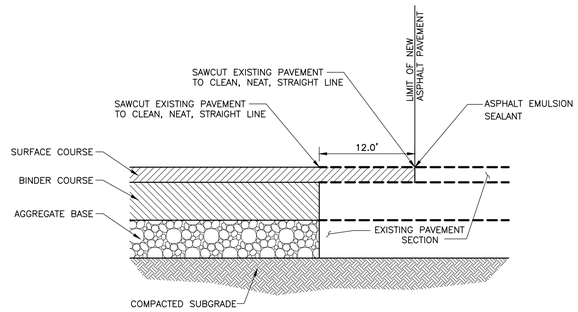
DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-696
APPROVED BY:	TJM

DRAWING NO.: C213
SHEET OF

P:\336-2001\336-696\-CADD\dwg\WR01\336-696-WR01-C213.dwg[C213] LS:(10/31/2024 - jjhanton) - LP: 11/8/2024 11:41 AM



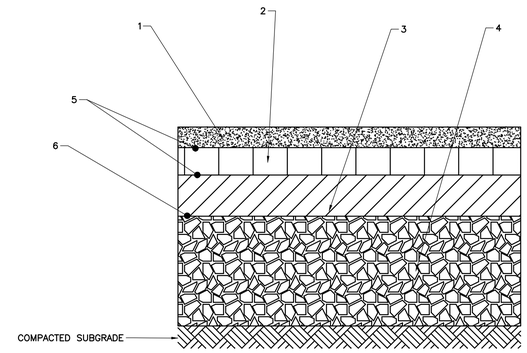
DETAIL 801
UNCURBED PAVEMENT EDGE
N.T.S.



NOTES:

1. PROVIDE TACK COAT ALONG SAWCUT TO BIND EXISTING PAVEMENT TO NEW PAVEMENT.FOR AREAS WITH PATCHING AND OVERLAY,PROVIDE TACK COAT TO BIND EXISTING PAVEMENT WITH NEW ASPHALT.

DETAIL 802
PAVEMENT SAWCUT
N.T.S.

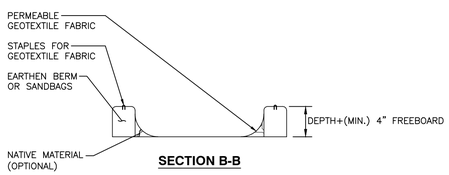


1. ASPHALTIC CONCRETE SURFACE @ 1" THICK
   (ITEM NO. 411–02.10 ACS MIX (PG70–22) GRADING D)
2. BITUMINOUS PLANT MIX BASE @ 2" THICK (BINDER)
   (ITEM NO. 307–01.08 ASPHALT CONCRETE MIX (PG64–22) (BPMB–HM) GRADING B–M2)
3. BITUMINOUS PLANT MIX BASE @ 3" THICK
   (ITEM NO. 307–01.01 ASPHALTIC CONCRETE MIX (PG64–22) (BPMB–HM) GRADING A)
4. MINERAL AGGREGATE BASE @ 8"–10" THICK
   (ITEM NO. 303–01 MINERAL AGGREGATE. TYPE A BASE, GRADING D PUG MIX)
5. TACK COAT FOR EACH PAVEMENT LAYER
   (ITEM NO. 403–02.01 BITUMINOUS MATERIAL FOR TACK COAT @ 0.07 GAL./SQ. YD. (GENERAL USE) & 0.10 GAL./SQ. YD. (MILLING–COLD PLANE))
6. PRIME COAT
   (ITEM NO. 402–01 BITUMINOUS MATERIAL FOR PRIME COAT @ 0.3.–0.35 GAL./S.Y.)
   (ITEM NO 402–02 AGGREGATE FOR COVER MATERIAL @ 8–12 LBS./SQ. YD.)

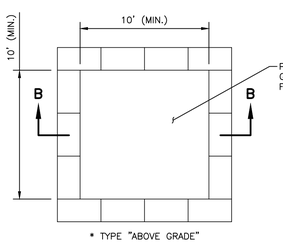
NOTES:

1. PERFORMANCE GRADE MIX DESIGNATION IS BASED ON ADT AND EXPECTED USE:
   – FOR LESS THAN 10,000 ADT: PG64–22, STANDARD DUTY ASPHALT.
2. MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, LATEST EDITION. SECTION 903.05 FOR AGGREGATE BASE COURSE MATERIAL; SECTION 903.06 FOR HOT MIX ASPHALT BASE COURSE; AND SECTION 903.11 FOR SURFACE COURSE.
3. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR ENGINEERING REVIEW AND RECEIVE APPROVAL PRIOR TO PAVING OPERATIONS.
4. ALL PAVEMENT JOINTS SHALL BE SQUARE WITHOUT FEATHERING.
5. SEAL ALL JOINTS WITH AN APPROVED SEALANT.
6. THE SUBGRADE MATERIALS SHALL BE PROOF ROLLED AND/OR SCARIFIED AND COMPACTED PRIOR TO PLACEMENT OF BASE MATERIAL. EXISTING SUBGRADE MATERIALS THAT ARE UNSUITABLE SHALL BE REMOVED AND REPLACED WITH COMPACTED SELECT MATERIAL.

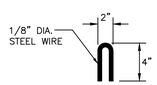
DETAIL 803
ASPHALT PAVEMENT SECTIONS
N.T.S.



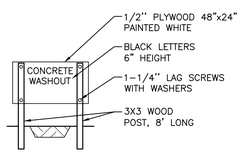
SECTION B-B



PLAN



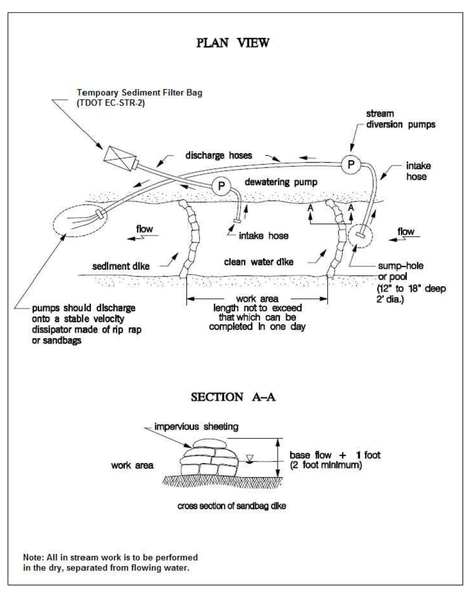
STAPLE DETAIL



CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

DETAIL 804
CONCRETE WASHOUT FACILITY
N.T.S.



Source: Maryland's Waterway Construction Guidelines, November 2000

DETAIL 805
PUMP AROUND BYPASS
N.T.S.

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

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SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
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Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

DETAILS

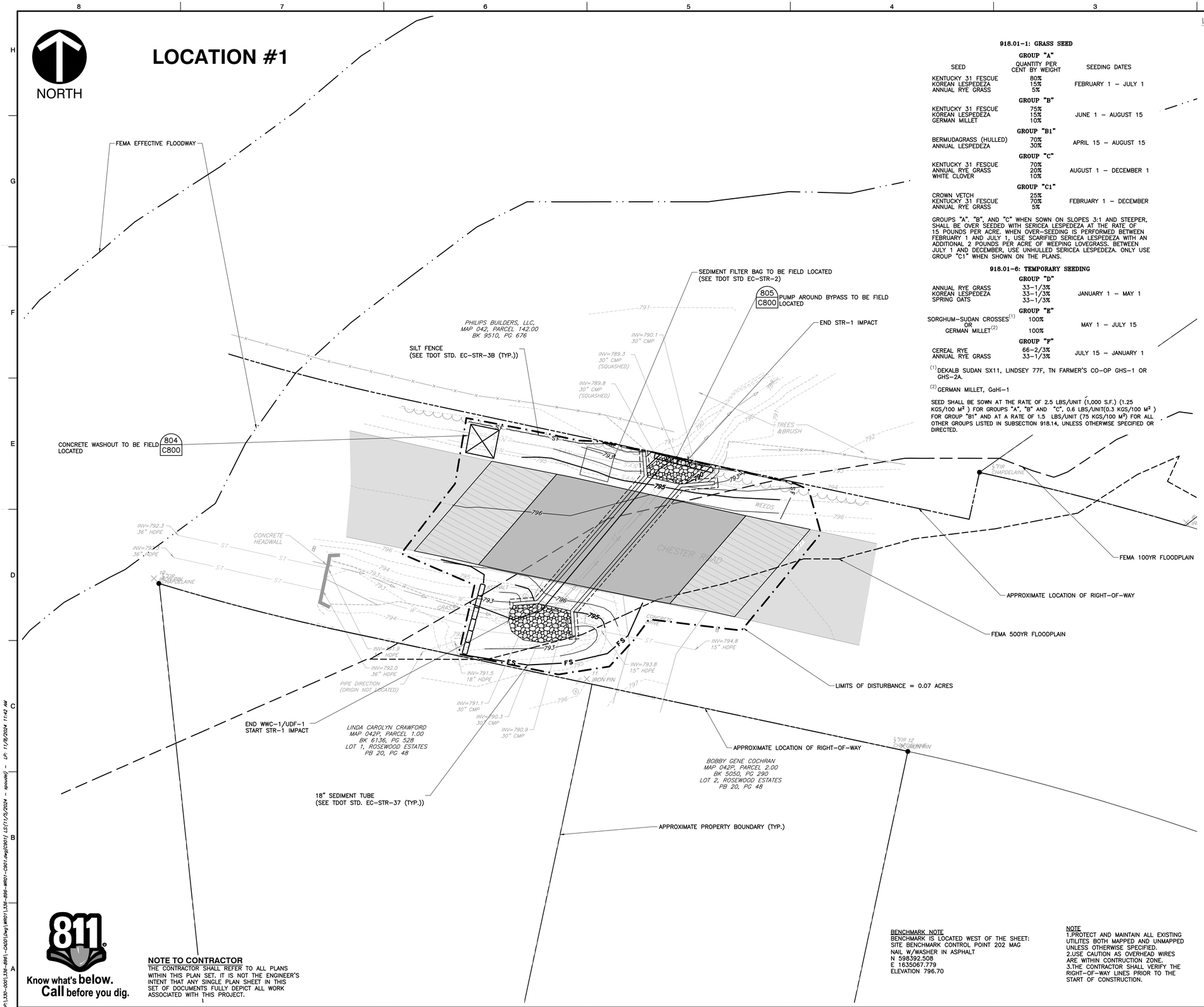
DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.: **C800**
SHEET OF

P:\336-000\336-896\-CADD\Dwg\WR01\336-896-WR01-C800.dwg[C800] LS:(11/5/2024 - jthornton) LP: 11/8/2024 11:41 AM

LOCATION #1

NORTH



918.01-1: GRASS SEED

SEED	QUANTITY PER CENT BY WEIGHT	SEEDING DATES
GROUP "A"		
KENTUCKY 31 FESCUE	80%	FEBRUARY 1 – JULY 1
KOREAN LESPEDEZA	15%	
ANNUAL RYE GRASS	5%	
GROUP "B"		
KENTUCKY 31 FESCUE	75%	JUNE 1 – AUGUST 15
KOREAN LESPEDEZA	15%	
GERMAN MILLET	10%	
GROUP "B1"		
BERMUDAGRASS (HULLED)	70%	APRIL 15 – AUGUST 15
ANNUAL LESPEDEZA	30%	
GROUP "C"		
KENTUCKY 31 FESCUE	70%	AUGUST 1 – DECEMBER 1
ANNUAL RYE GRASS	20%	
WHITE CLOVER	10%	
GROUP "C1"		
CROWN VETCH	25%	FEBRUARY 1 – DECEMBER
KENTUCKY 31 FESCUE	70%	
ANNUAL RYE GRASS	5%	

GROUPS "A", "B", AND "C" WHEN SOWN ON SLOPES 3:1 AND STEEPER, SHALL BE OVER SEEDED WITH SERICEA LESPEDEZA AT THE RATE OF 15 POUNDS PER ACRE. WHEN OVER-SEEDING IS PERFORMED BETWEEN FEBRUARY 1 AND JULY 1, USE SCARIFIED SERICEA LESPEDEZA WITH AN ADDITIONAL 2 POUNDS PER ACRE OF WEEPING LOVEGRASS. BETWEEN JULY 1 AND DECEMBER, USE UNHULLED SERICEA LESPEDEZA. ONLY USE GROUP "C1" WHEN SHOWN ON THE PLANS.

918.01-6: TEMPORARY SEEDING

GROUP "D"		
ANNUAL RYE GRASS	33-1/3%	JANUARY 1 – MAY 1
KOREAN LESPEDEZA	33-1/3%	
SPRING OATS	33-1/3%	
GROUP "E"		
SORGHUM-SUDAN CROSSES[1] OR GERMAN MILLET[2]	100% / 100%	MAY 1 – JULY 15
GROUP "F"		
CEREAL RYE	66-2/3%	JULY 15 – JANUARY 1
ANNUAL RYE GRASS	33-1/3%	

[1] DEKALB SUDAN SX11, LINDSEY 77F, TN FARMER'S CO-OP GHS-1 OR GHS-2A.

[2] GERMAN MILLET, GaHi-1

SEED SHALL BE SOWN AT THE RATE OF 2.5 LBS/UNIT (1,000 S.F.) (1.25 KGS/100 M^2) FOR GROUPS "A", "B" AND "C", 0.6 LBS/UNIT(0.3 KGS/100 M^2) FOR GROUP "B1" AND AT A RATE OF 1.5 LBS/UNIT (75 KGS/100 M^2) FOR ALL OTHER GROUPS LISTED IN SUBSECTION 918.14, UNLESS OTHERWISE SPECIFIED OR DIRECTED.

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
- 795 MAJOR CONTOUR
- 796 INTERMEDIATE CONTOUR
- FENCE LINE
- SAN FORCE MAIN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREE LINE
- FIR FOUND IRON ROD
- UTILITY POLE
- GUY WIRE
- WM WATER METER
- MAILBOX
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- 795 PROPOSED MAJOR CONTOUR
- 796 PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED
- LIMITS OF DISTURBANCE
- SF SILT FENCE
- FS SEDIMENT FILTER SOCK

NOTE TO CONTRACTOR
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Know what's below. Call before you dig.

BENCHMARK NOTE
BENCHMARK IS LOCATED WEST OF THE SHEET:
SITE BENCHMARK CONTROL POINT 202 MAG NAIL W/WASHER IN ASPHALT
N 598392.508
E 1635067.779
ELEVATION 796.70

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON REGISTERED ENGINEER AGRICULTURE 123395 STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

EROSION AND SEDIMENT CONTROL PLAN

DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-696
APPROVED BY:	TJM

DRAWING NO.: C901
SHEET OF

F:\336-000\336-696\-CAD\Layout\WWW1\336-696-WWW-C901.dwg\C901 LS\1/5/2024 - spowell - LP: 11/8/2024 11:42 AM

LOCATION #2

NORTH

TOP MH= 795.87
8" PVC INV. (S)= 787.2

SITE BENCHMARK
CONTROL POINT 103
IRON PIN W/CAP
N 593942.358
E 1636374.461
ELEVATION 795.64

FEMA 100YR FLOODPLAIN

FEMA 500YR FLOODPLAIN

FIR
CHAPDELAINE

804
C800
CONCRETE WASHOUT TO BE FIELD LOCATED

JONATHAN G. ACEVEDO AND
SAMANTHA D. ACEVEDO
MAP 047G, GROUP D, PARCEL 11.00
BK 6198, PG 379
LOT 10, KYLES CREEK ESTATES
PB 31, PG 85

SILT FENCE
(SEE TDOT STD. EC-STR-3B (TYP.))

START STR-1 IMPACT

INV=788.4
36" CMP

INV=787.5
36" CMP
(SQUASHED)

INV=787.6
36" CMP

805
C800
PUMP AROUND BYPASS TO BE FIELD LOCATED

END STR-1 IMPACT

FEMA EFFECTIVE FLOODWAY

TREES
&BRUSH

YARD/
GRASS

CHESTER ROAD

WEEDS

KIMBERLY R. URQUHART
MAP 047, PARCEL 41.00
BK 8845, PG 205
LOT 5, GRAMMER ESTATES
PB 5, PG 5
AMENDED IN PB 5, PG 98

INV=±788.6
36" CMP
(FILLED
DEBRIS)

APPROXIMATE LOCATION OF RIGHT-OF-WAY

SEDIMENT FILTER BAG TO BE FIELD LOCATED
(SEE TDOT STD EC-STR-2)

GRAVEL
DRIVE

18" SEDIMENT TUBE
(SEE TDOT STD. EC-STR-37 (TYP.))

LIMITS OF DISTURBANCE = 0.07 ACRES

APPROXIMATE LOCATION OF RIGHT-OF-WAY

APPROXIMATE PROPERTY BOUNDARY (TYP.)

FIR

FIR
DBS ENG
1837

NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

918.01-1: GRASS SEED

SEED	QUANTITY PER CENT BY WEIGHT	SEEDING DATES
GROUP "A"		
KENTUCKY 31 FESCUE KOREAN LESPEDEZA ANNUAL RYE GRASS	80% 15% 5%	FEBRUARY 1 – JULY 1
GROUP "B"		
KENTUCKY 31 FESCUE KOREAN LESPEDEZA GERMAN MILLET	75% 15% 10%	JUNE 1 – AUGUST 15
GROUP "B1"		
BERMUDAGRASS (HULLED) ANNUAL LESPEDEZA	70% 30%	APRIL 15 – AUGUST 15
GROUP "C"		
KENTUCKY 31 FESCUE ANNUAL RYE GRASS WHITE CLOVER	70% 20% 10%	AUGUST 1 – DECEMBER 1
GROUP "C1"		
CROWN VETCH KENTUCKY 31 FESCUE ANNUAL RYE GRASS	25% 70% 5%	FEBRUARY 1 – DECEMBER

GROUPS "A", "B", AND "C" WHEN SOWN ON SLOPES 3:1 AND STEEPER, SHALL BE OVER SEEDED WITH SERICEA LESPEDEZA AT THE RATE OF 15 POUNDS PER ACRE. WHEN OVER-SEEDING IS PERFORMED BETWEEN FEBRUARY 1 AND JULY 1, USE SCARIFIED SERICEA LESPEDEZA WITH AN ADDITIONAL 2 POUNDS PER ACRE OF WEEPING LOVEGRASS. BETWEEN JULY 1 AND DECEMBER, USE UNHULLED SERICEA LESPEDEZA. ONLY USE GROUP "C1" WHEN SHOWN ON THE PLANS.

918.01-6: TEMPORARY SEEDING

GROUP "D"		
ANNUAL RYE GRASS KOREAN LESPEDEZA SPRING OATS	33-1/3% 33-1/3% 33-1/3%	JANUARY 1 – MAY 1
GROUP "E"		
SORGHUM-SUDAN CROSSES(1) OR GERMAN MILLET(2)	100% 100%	MAY 1 – JULY 15
GROUP "F"		
CEREAL RYE ANNUAL RYE GRASS	66-2/3% 33-1/3%	JULY 15 – JANUARY 1

(1) DEKALB SUDAN SX11, LINDSEY 77F, TN FARMER'S CO-OP GHS-1 OR GHS-2A.

(2) GERMAN MILLET, GoHi-1

SEED SHALL BE SOWN AT THE RATE OF 2.5 LBS/UNIT (1,000 S.F.) (1.25 KGS/100 M^2) FOR GROUPS "A", "B" AND "C", 0.6 LBS/UNIT(0.3 KGS/100 M^2) FOR GROUP "B1" AND AT A RATE OF 1.5 LBS/UNIT (75 KGS/100 M^2) FOR ALL OTHER GROUPS LISTED IN SUBSECTION 918.14, UNLESS OTHERWISE SPECIFIED OR DIRECTED.

LEGEND:

- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- 790 MAJOR CONTOUR
- 789 INTERMEDIATE CONTOUR
- FENCE
- SAN SANITARY SEWER LINE
- ST STORM SEWER LINE
- W WATER LINE
- FO UNDERGROUND FIBER OPTIC LINE
- OH-W OVERHEAD WIRE
- TREELINE
- FIR FOUND IRON ROD
- UTILITY POLE
- MAILBOX
- FIBER OPTIC LINE MARKER
- SANITARY MANHOLE
- ASPHALT EXISTING PAVEMENT
- STREAM CENTERLINE
- FEMA EFFECTIVE FLOODWAY
- FEMA 100YR FLOODPLAIN
- FEMA 500YR FLOODPLAIN
- 795 PROPOSED MAJOR CONTOUR
- 796 PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED
- LIMITS OF DISTURBANCE
- SF SILT FENCE
- FS SEDIMENT FILTER SOCK

Know what's below.
Call before you dig.

NOTE TO CONTRACTOR
THE CONTRACTOR SHALL REFER TO ALL PLANS WITHIN THIS PLAN SET. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON
REGISTERED ENGINEER
AGRICULTURE
No. 12397
STATE OF TENNESSEE

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com

Civil & Environmental Consultants, Inc.

CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
CHESTER RD
FAIRVIEW, WILLIAMSON CO, TN

EROSION AND SEDIMENT CONTROL

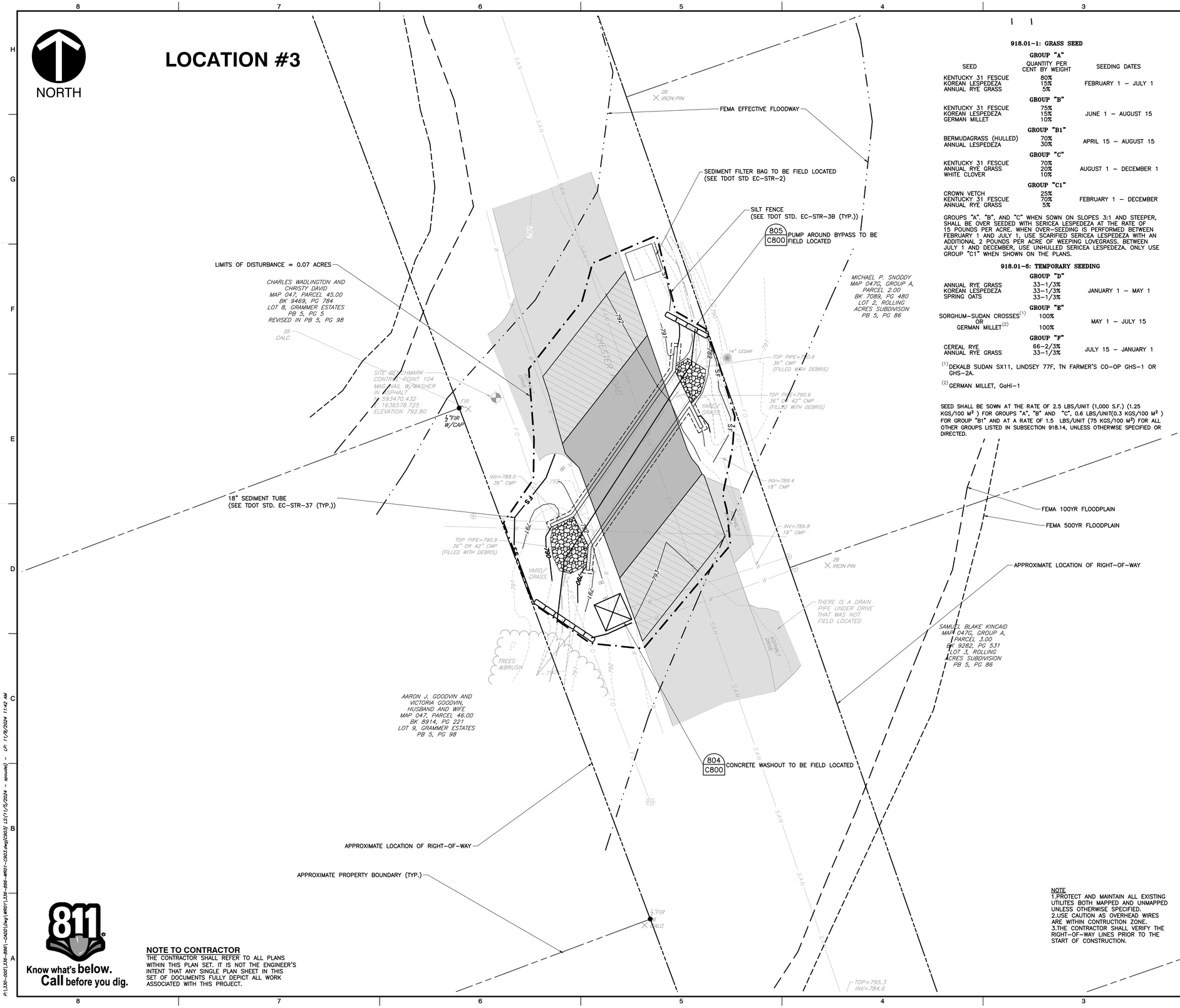
DATE:	NOVEMBER 2024
DRAWN BY:	SP
CHECKED BY:	JCT
DWG SCALE:	
PROJECT NO:	336-896
APPROVED BY:	TJM

DRAWING NO.:
C902
SHEET OF

P:\336-000\336-896\-CADD\Dwg\WR01\336-896-WR01-C902.dwg[C902] LS:(11/8/2024 - equals) - LP: 11/8/2024 11:42 AM

LOCATION #3

NORTH



918.01-1: GRASS SEED

GROUP "A"

SEED	QUANTITY PER CENT BY WEIGHT	SEEDING DATES
KENTUCKY 31 FESCUE	80%	
KOREAN LESPEDEZA	15%	FEBRUARY 1 – JULY 1
ANNUAL RYE GRASS	5%	

GROUP "B"

KENTUCKY 31 FESCUE	75%	
KOREAN LESPEDEZA	15%	JUNE 1 – AUGUST 15
GERMAN MILLET	10%	

GROUP "B1"

BERMUDAGRASS (HULLED)	70%	
ANNUAL LESPEDEZA	30%	APRIL 15 – AUGUST 15

GROUP "C"

KENTUCKY 31 FESCUE	70%	
ANNUAL RYE GRASS	20%	AUGUST 1 – DECEMBER 1
WHITE CLOVER	10%	

GROUP "C1"

CROWN VETCH	25%	
KENTUCKY 31 FESCUE	70%	FEBRUARY 1 – DECEMBER
ANNUAL RYE GRASS	5%	

GROUPS "A", "B", AND "C" WHEN SOWN ON SLOPES 3:1 AND STEEPER, SHALL BE OVER SEEDED WITH SERICEA LESPEDEZA AT THE RATE OF 15 POUNDS PER ACRE. WHEN OVER-SEEDING IS PERFORMED BETWEEN FEBRUARY 1 AND JULY 1, USE SCARIFIED SERICEA LESPEDEZA WITH AN ADDITIONAL 2 POUNDS PER ACRE OF WEEPING LOVEGRASS. BETWEEN JULY 1 AND DECEMBER, USE UNHULLED SERICEA LESPEDEZA. ONLY USE GROUP "C1" WHEN SHOWN ON THE PLANS.

918.01-6: TEMPORARY SEEDING

GROUP "D"

ANNUAL RYE GRASS	33-1/3%	
KOREAN LESPEDEZA	33-1/3%	JANUARY 1 – MAY 1
SPRING OATS	33-1/3%	

GROUP "E"

SORGHUM-SUDAN CROSSES[1]	100%	
OR		MAY 1 – JULY 15
GERMAN MILLET[2]	100%	

GROUP "F"

CEREAL RYE	66-2/3%	
ANNUAL RYE GRASS	33-1/3%	JULY 15 – JANUARY 1

(1) DEKALB SUDAN SX11, LINDSEY 77F, TN FARMER'S CO-OP GHS-1 OR GHS-2A.

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- S SANITARY MANHOLE
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NOTE
1.PROTECT AND MAINTAIN ALL EXISTING UTILITES BOTH MAPPED AND UNMAPPED UNLESS OTHERWISE SPECIFIED.
2.USE CAUTION AS OVERHEAD WIRES ARE WITHIN CONTRUCTION ZONE.
3.THE CONTRACTOR SHALL VERIFY THE RIGHT-OF-WAY LINES PRIOR TO THE START OF CONSTRUCTION.

SCALE IN FEET
0 10 20

JOSEPH CHESTER THORNTON REGISTERED ENGINEER AGRICULTURE 123321 STATE OF TENNESSEE

Joseph Chester Thornton III

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

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SHEET OF

P:\336-000\336-896\-CADD\Dwg\WR01\336-896-WR01-C903.dwg[C903] LS(11/5/2024 - spaudel) - LP: 11/8/2024 11:42 AM