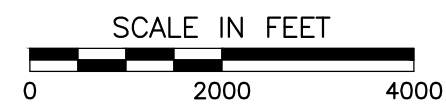


CITY OF FAIRVIEW HORN TAVERN ROAD STORMWATER IMPROVEMENTS

FAIRVIEW, WILLIAMSON COUNTY, TN
NOVEMBER 2024



VICINITY MAP



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: 615-568-8668

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: 615-533-4931

ELECTRIC SERVICE

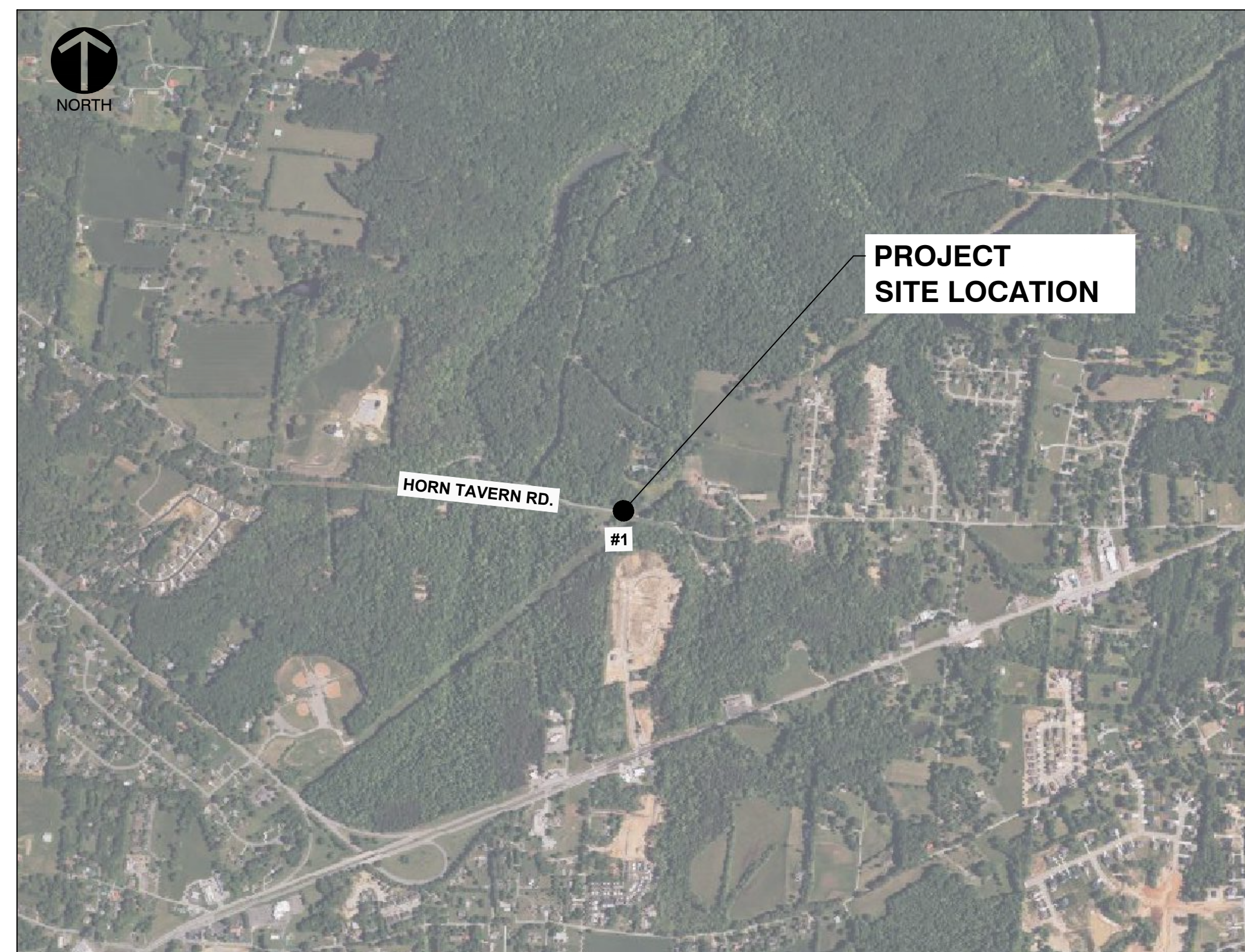
MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORP.
555 NEW SALEM HIGHWAY
MURFREESBORO, TN 37129
CONTACT: JOHNATHAN MCPHERSON
PHONE: 615-595-4695

GAS SERVICE

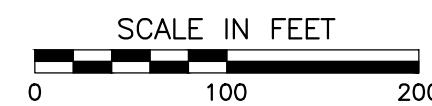
PIEDMONT NATURAL GAS
83 CENTURY BOULEVARD
NASHVILLE, TN 37214
CONTACT: STEPHEN FRANCESCO
PHONE: 615-872-2407

TELEPHONE SERVICE

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



SITE MAP



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
EMAIL: JJTHORNTON@CECINC.COM

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	GENERAL NOTES
C002	STANDARD DRAWINGS
C003	QUANTITIES
C101	EXISTING CONDITIONS AND DEMOLITION PLAN
C201	GRADING AND DRAINAGE PLAN
C211	DETOUR PLAN
C800	DETAILS
C901	EROSION AND SEDIMENT CONTROL PLAN

FLOODPLAIN NOTE

FLOODPLAIN AND FLOODWAY LINES SHOWN ARE BASED ON FEMA FLOOD INSURANCE RATE MAP NO. 47187C0151F EFFECTIVE DATE SEPTEMBER 29, 2006.



NOTE TO CONTRACTOR

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SUBMITTAL RECORD

NO	DATE	DESCRIPTION

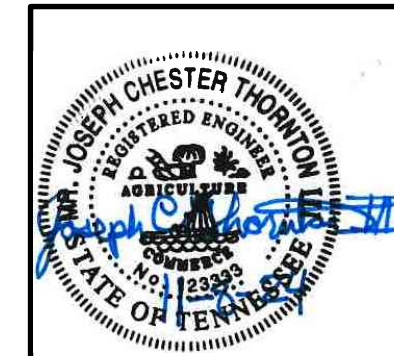
117 Seaboard Lane
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Franklin, TN 37067
Ph: 615.333.7797
www.cecinc.com



**CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
HORN TAVERN ROAD
FAIRVIEW, WILLIAMSON CO, TN**

COVER SHEET

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



DRAWING NO.:
C000

SHEET OF

P:\330-000\336-896-CAD\DWG\W02\336-896-W02-000.dwg(C000) LS(11/29/2024 - 10:56 AM) - LP: 11/29/2024 10:56 AM

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... 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... 4. PROPERTY AND RIGHT-OF-WAY LINES SHOWN FROM WILLIAMSON COUNTY GIS ONLINE.

GENERAL DEMOLITION NOTES

- 1. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD... 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... 4. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION.

GENERAL GRADING NOTES

- 1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EPSC PLAN PREPARED FOR THIS PROJECT... 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... 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... 5. ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES.

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... 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... 7. MATERIALS AND LAND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS.

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... 8. INSTALL TDOT TYPE IV EROSION CONTROL BLANKETING (BIODEGRADABLE) 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... 8. CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS WITHIN VICINITY OF PROJECT.

Table with 2 columns: NO, DATE. Row 1: 1, 11/19/2024

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



CITY OF FAIRVIEW STORMWATER IMPROVEMENTS HORN TAVERN ROAD FAIRVIEW, WILLIAMSON CO, TN

Table with 2 columns: DATE, DRAWN BY, CHECKED BY, PROJECT NO., APPROVED BY. Includes date NOVEMBER 2024 and project number 336-896.



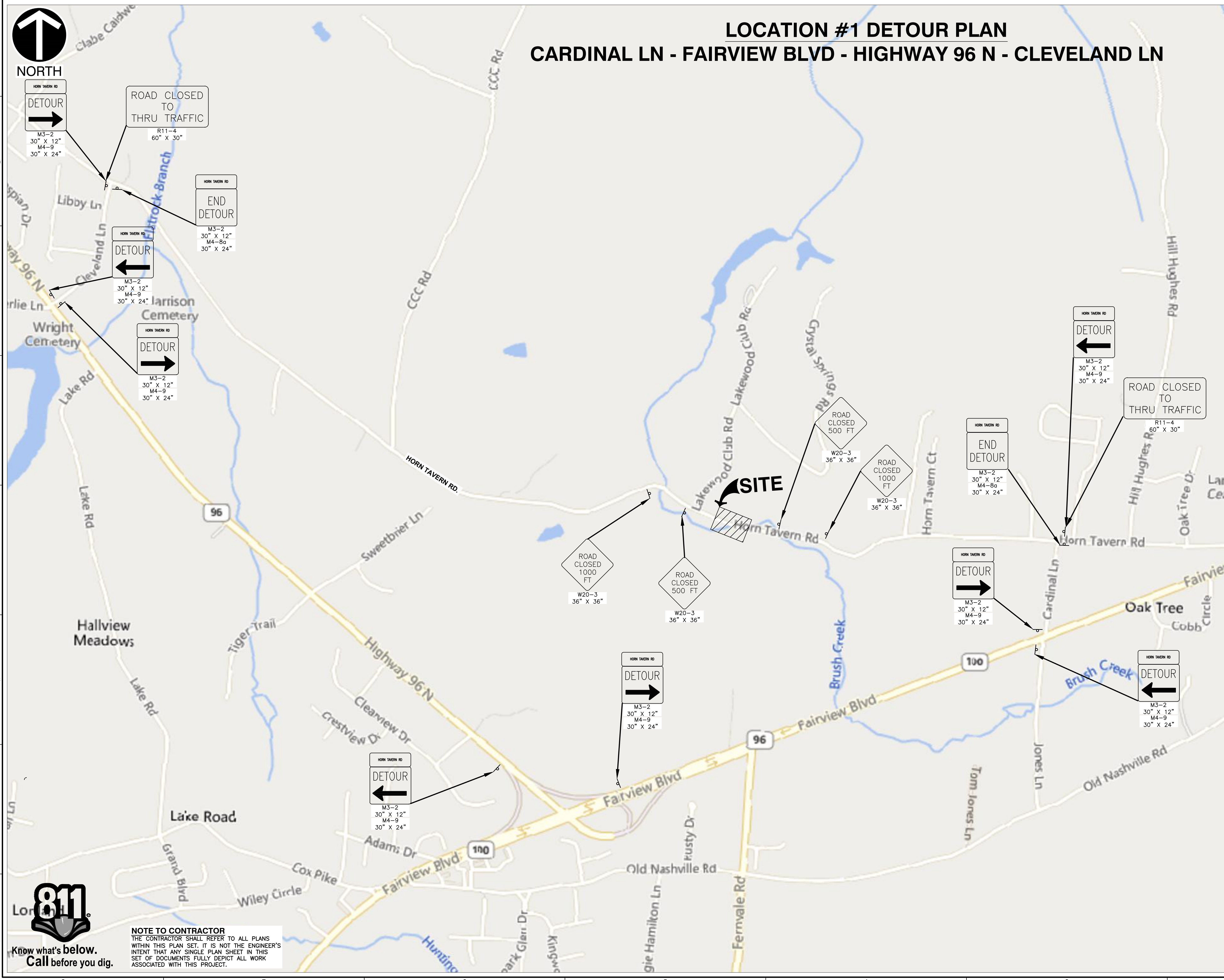
DRAWING NO. C001 SHEET OF

P:\330-0001\336-896-CAD\DWG\W02\336-896-W02-001.dwg (C001) LS(11/19/2024 - 11:09:04) - LF: 11/19/2024 10:56 AM



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LOCATION #1 DETOUR PLAN CARDINAL LN - FAIRVIEW BLVD - HIGHWAY 96 N - CLEVELAND LN



NORTH

HORN TAKEN RD
DETOUR

ROAD CLOSED
TO
THRU TRAFFIC

R11-4
60" X 30"

HORN TAKEN RD
END
DETOUR

M3-2
30" X 12"
M4-9
30" X 24"

HORN TAKEN RD
DETOUR

M3-2
30" X 12"
M4-9
30" X 24"

HORN TAKEN RD
DETOUR

M3-2
30" X 12"
M4-9
30" X 24"

HORN TAKEN RD
DETOUR

M3-2
30" X 12"
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30" X 24"

ROAD CLOSED
TO
THRU TRAFFIC

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M4-9
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HORN TAKEN RD
DETOUR

M3-2
30" X 12"
M4-9
30" X 24"

HORN TAKEN RD
DETOUR

M3-2
30" X 12"
M4-9
30" X 24"

ROAD CLOSED
1000
FT

W20-3
36" X 36"

ROAD CLOSED
500
FT

W20-3
36" X 36"

ROAD CLOSED
500
FT

W20-3
36" X 36"

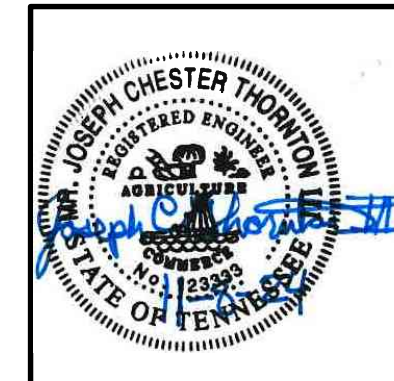
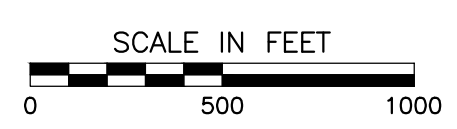
ROAD CLOSED
1000
FT

W20-3
36" X 36"



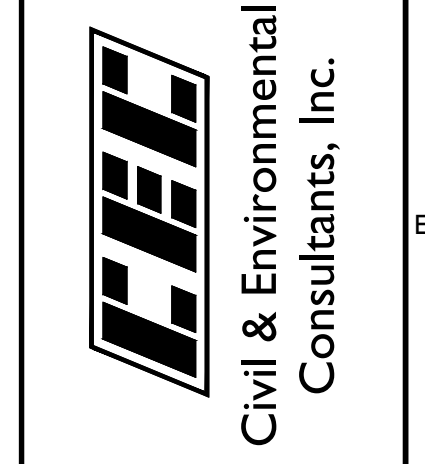
Know what's below.
Call before you dig.

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NO.	DATE	DESCRIPTION

117 Seaboard Lane
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Franklin, TN 37067
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www.ccecinc.com

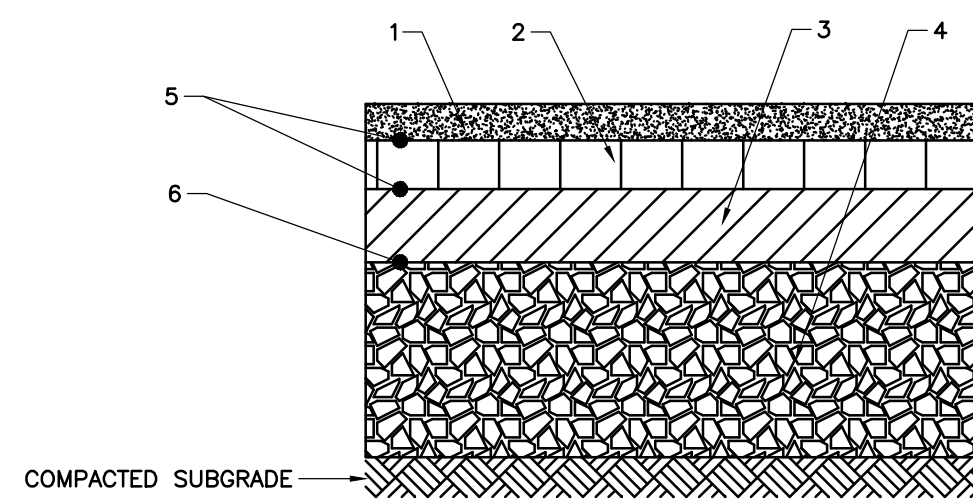


CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
HORN TAVERN ROAD
FAIRVIEW, WILLIAMSON CO, TN

DETOUR PLAN	
DATE:	NOVEMBER 2024
DWG SCALE:	JCT
PROJECT NO.:	336-896
APPROVED BY:	TJM

DRAWING NO. **C211**

P:\330-000\336-896-CAD\DWG\W02\336-896-W02-021.dwg(C211) LS(11/1/2024 - spaw) - LP: 11/08/2024 10:37 AM

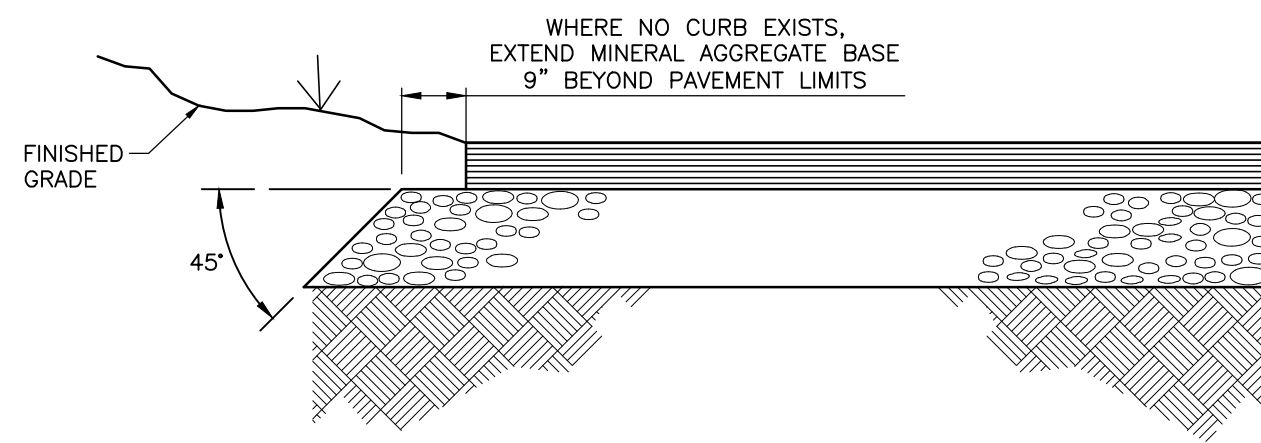


1. ASPHALTIC CONCRETE SURFACE @ 1" THICK
(ITEM NO. 411-02.10 ACS MIX (PG70-22) GRADING D)
2. BITUMINOUS PLANT MIX BASE @ 2" THICK (BINDER)
(ITEM NO. 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2)
3. BITUMINOUS PLANT MIX BASE @ 3" THICK
(ITEM NO. 307-01.01 ASPHALTIC CONCRETE MIX (PG64-22) (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.)

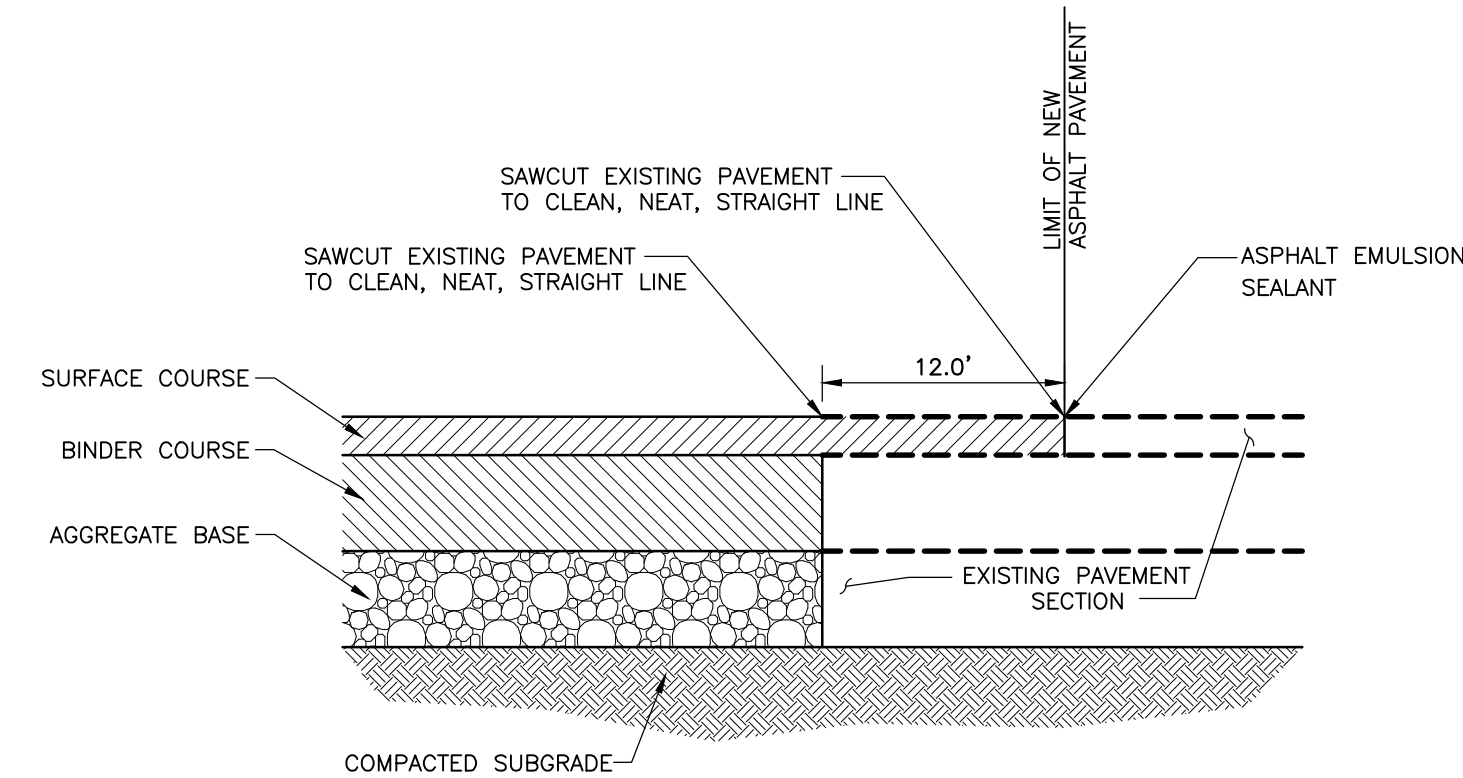
NOTES:

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 801
ASPHALT PAVEMENT SECTIONS
N.T.S.



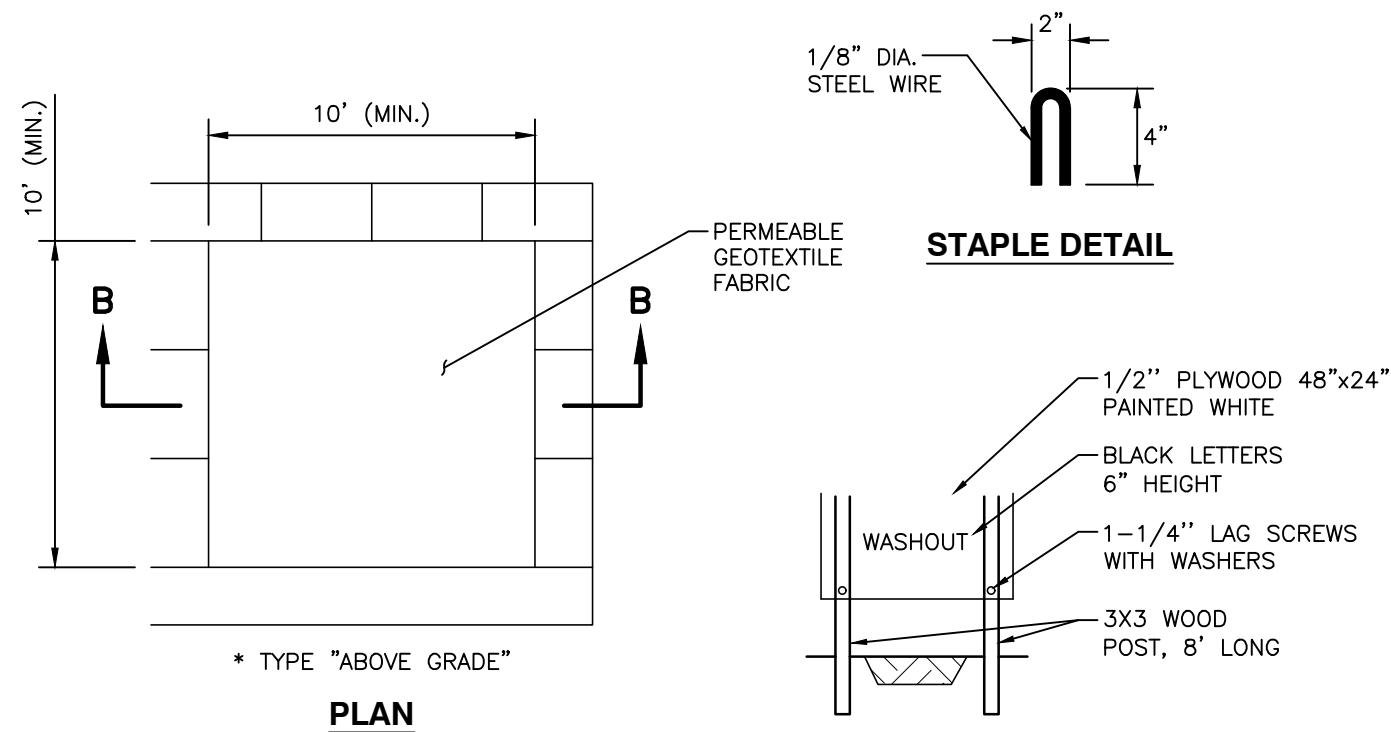
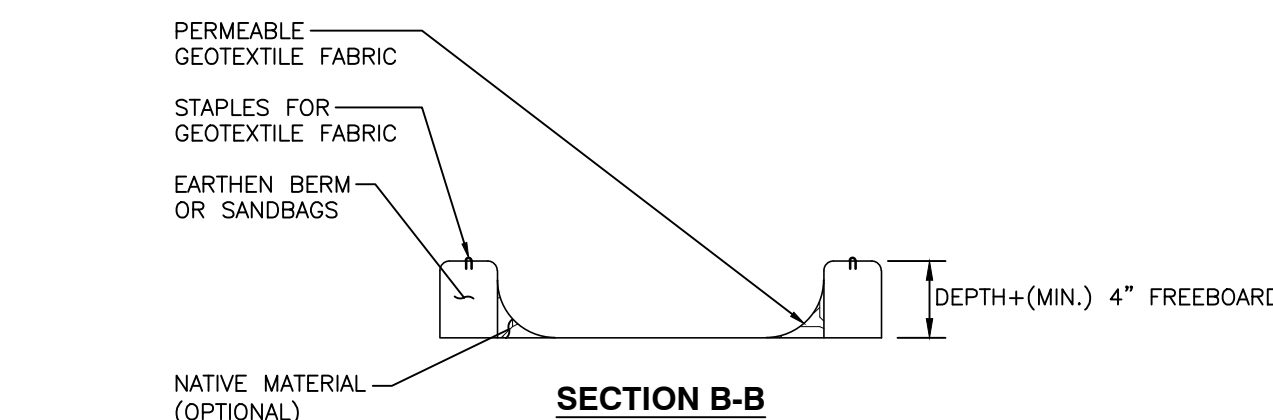
DETAIL 802
UNCURBED PAVEMENT EDGE
N.T.S.



NOTES:

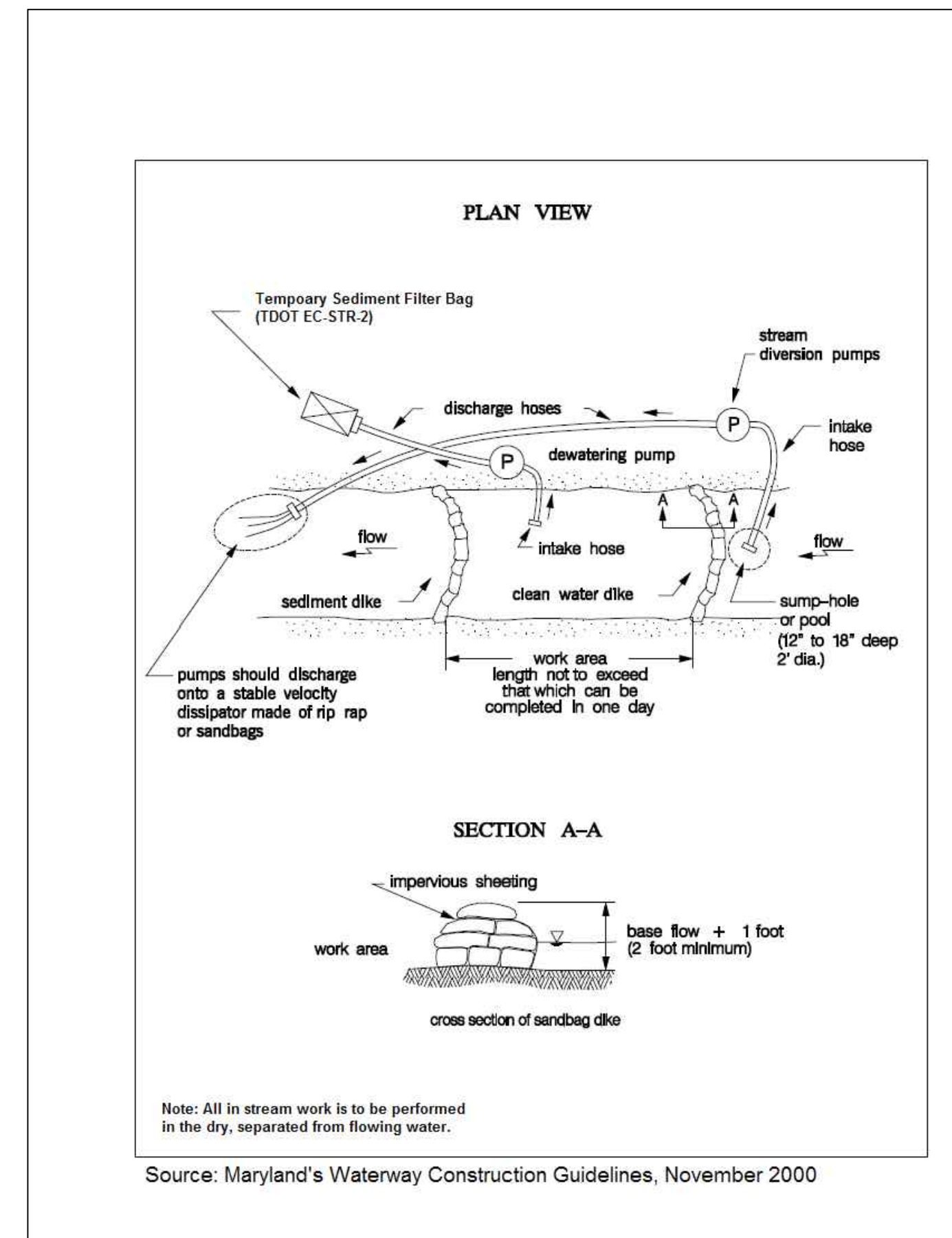
1. PROVIDE TACK COAT ALONG SAWCUT TO BIND EXISTING PAVEMENT TO NEW PAVEMENT FOR AREAS WITH PATCHING AND OVERLAY. PROVIDE TACK COAT TO BIND EXISTING PAVEMENT WITH NEW ASPHALT.

DETAIL 803
PAVEMENT SAWCUT
N.T.S.



- 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.



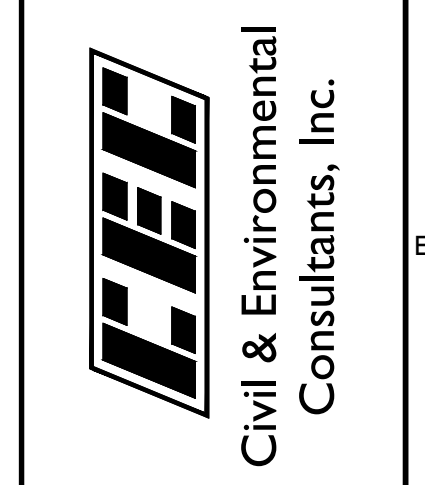
Note: All in stream work is to be performed in the dry, separated from flowing water.

Source: Maryland's Waterway Construction Guidelines, November 2000

DETAIL 805
PUMP AROUND BYPASS
N.T.S.

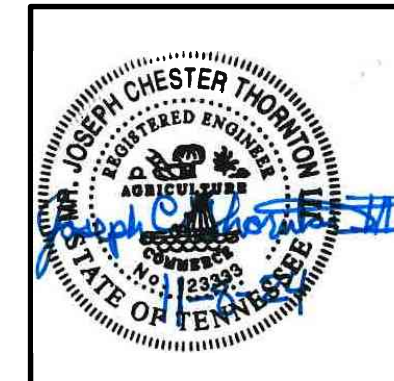
NO.	DATE	DESCRIPTION

117 Seaboard Lane
Suite E-100
Franklin, TN 37067
Ph: 615.333.7797
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CITY OF FAIRVIEW
STORMWATER IMPROVEMENTS
HORN TAVERN ROAD
FAIRVIEW, WILLIAMSON CO, TN

DETAILS	DATE:	NOVEMBER 2024	DRAWN BY:	SP
	DWG SCALE:		CHECKED BY:	JCT
	PROJECT NO:	336-896	APPROVED BY:	TJM
	DRAWING NO:	C800		



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P:\330-000\336-896-CAD\DWG\W02\336-896-W02-0800.dwg (C800) LS(11/9/2024 - jthornhill) - LF: 11/9/2024 10:57 AM



LOCATION #1

SEED	QUANTITY PER CENT BY WEIGHT	SEEDING DATES
918.01-1: GRASS SEED		
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 ANNUAL RYE GRASS	70% 5%	

GROUPS "A", "B", AND "C" WHEN SOWN ON SLOPES 3:1 AND STEEPER, SHALL BE OVER SEEDDED 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.

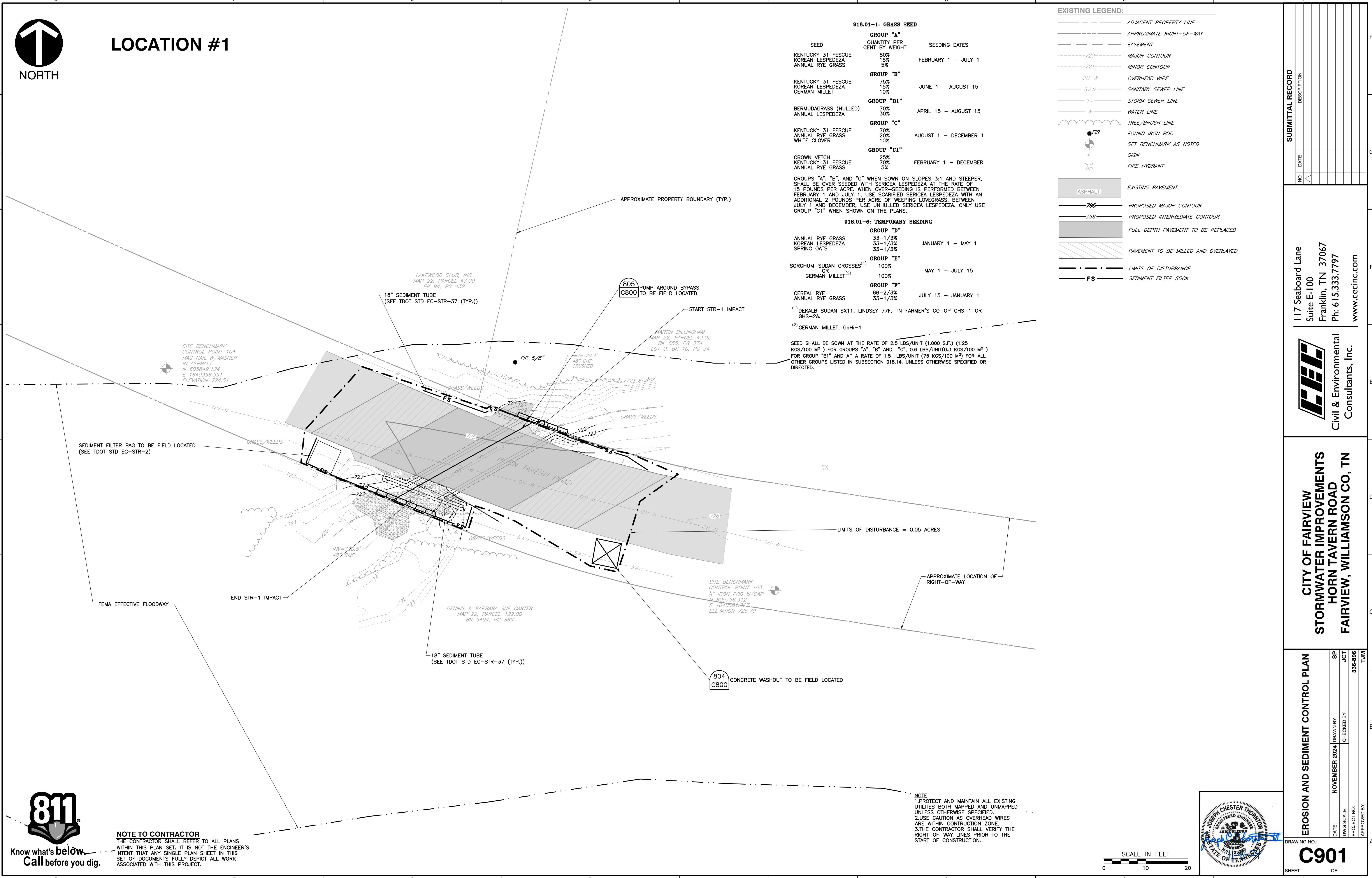
918.01-8: TEMPORARY SEEDING		
GROUP "D"		
ANNUAL RYE GRASS	33-1/3%	JANUARY 1 - MAY 1
KOREAN LESPEDEZA	33-1/3%	
SPRING OATS	33-1/3%	
GROUP "E"		
SORGHUM-SUDAN CROSSES ⁽¹⁾	100%	MAY 1 - JULY 15
OR GERMAN MILLET ⁽²⁾	100%	
GROUP "F"		
CEREAL RYE	66-2/3%	JULY 15 - JANUARY 1
ANNUAL RYE GRASS	33-1/3%	

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

SEED SHALL BE SOWN AT THE RATE OF 2.5 LBS/UNIT (1,000 S.F.) (1.25 KGS/100 M²) FOR GROUPS "A", "B" AND "C", 0.6 LBS/UNIT (0.3 KGS/100 M²) FOR GROUP "B1" AND AT A RATE OF 1.5 LBS/UNIT (0.75 KGS/100 M²) FOR ALL OTHER GROUPS LISTED IN SUBSECTION 918.14, UNLESS OTHERWISE SPECIFIED OR DIRECTED.

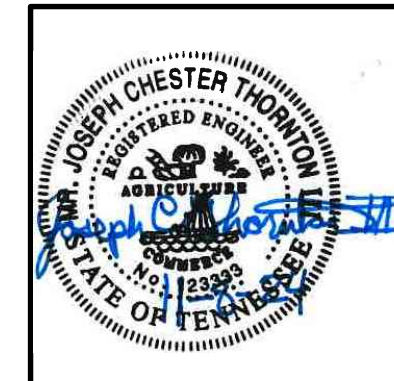
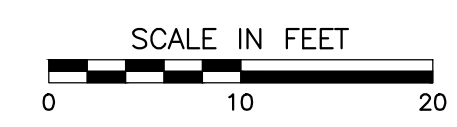
EXISTING LEGEND:

- ADJACENT PROPERTY LINE
- APPROXIMATE RIGHT-OF-WAY
- EASEMENT
- MAJOR CONTOUR
- MINOR CONTOUR
- OVERHEAD WIRE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE
- TREE/BRUSH LINE
- FOUND IRON ROD
- SET BENCHMARK AS NOTED
- SIGN
- FIRE HYDRANT
- EXISTING PAVEMENT
- PROPOSED MAJOR CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- FULL DEPTH PAVEMENT TO BE REPLACED
- PAVEMENT TO BE MILLED AND OVERLAYED
- LIMITS OF DISTURBANCE
- SEDIMENT FILTER SOCK



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



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
HORN TAVERN ROAD
FAIRVIEW, WILLIAMSON CO, TN**

EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO.: **C901**

DATE: NOVEMBER 2024 | DRAWN BY: [Signature] | CHECKED BY: [Signature]

DWG. SCALE: [Blank] | PROJECT NO.: 336-896

APPROVED BY: [Signature]

SHEET OF

P:\330-000\336-896-CADD\DWG\W02\336-896-W02-001.dwg(C901) LS(11/15/2024 - 9:00am) - LP: 11/18/2024 10:37 AM

