Permit #: 41
Permit Date: 03/07/23
Permit Type: Planning Commission
Case Number: PC 23-17 CUP
PC Meeting Date: f. 1st Tuesday of July
BZA Meeting Date:
Assigned Meeting Date: 07/06/2023
Special Meeting Date:
Applicant Is: Architect
Applicant Name: Chuck Miller
Applicant Address:
Applicant City, State, ZIP:
Applicant Phone Number: 615-254-4100 x25
Applicant Email: cmiller@anecdotexp.com
Description: Proposed construction of a one-way exit drive to Harding Place.
Project Cost: 4000
Square Feet: 0
Lot Area: 0
Lot Coverage: 0
Heat/cooled area: 0
Proposed Height(ft.): 0
#of stories: 0
Lot Depth/Width Ratio:
Avg. front setback of adjacent homes:
Zoning District: Zone D
Radnor Lake Impact Zone: No
Steep Slope: No
Plat/Subdivison: No
Status: Open
Assigned To: Stephen Snow

Property

Parcel #	Address	Legal Description	Owner Name	Owner Phone	Zoning
13215004600	4700 FRANKLIN PIKE	PARCEL CONSOLIDATION FRANKLIN ROAD ACADEMY	FRANKLIN ROAD ACADEMY, INC.		

Fees

Fee	Description	Notes	Amount
CUP including impervious surface (non-variance)			$4,000.00
		Total	**$4,000.00**

Payments

Date	Paid By	Description	Payment Type	Accepted By	Amount

03/07/2023	Chuck Miller	39569	Desiree Lohr	$4,000.00
			Outstanding Balance	**$0.00**

Uploaded Files

Date	File Name
03/07/2023	14592144-Memo - FRA Access Responses.pdf
03/07/2023	14592145-03_Civil Set.pdf
03/07/2023	14592146-pc_application_FRA HARDING CONNECTOR 07 MAR 23.pdf
03/07/2023	14592143-Franklin Road Academy - TAS .pdf

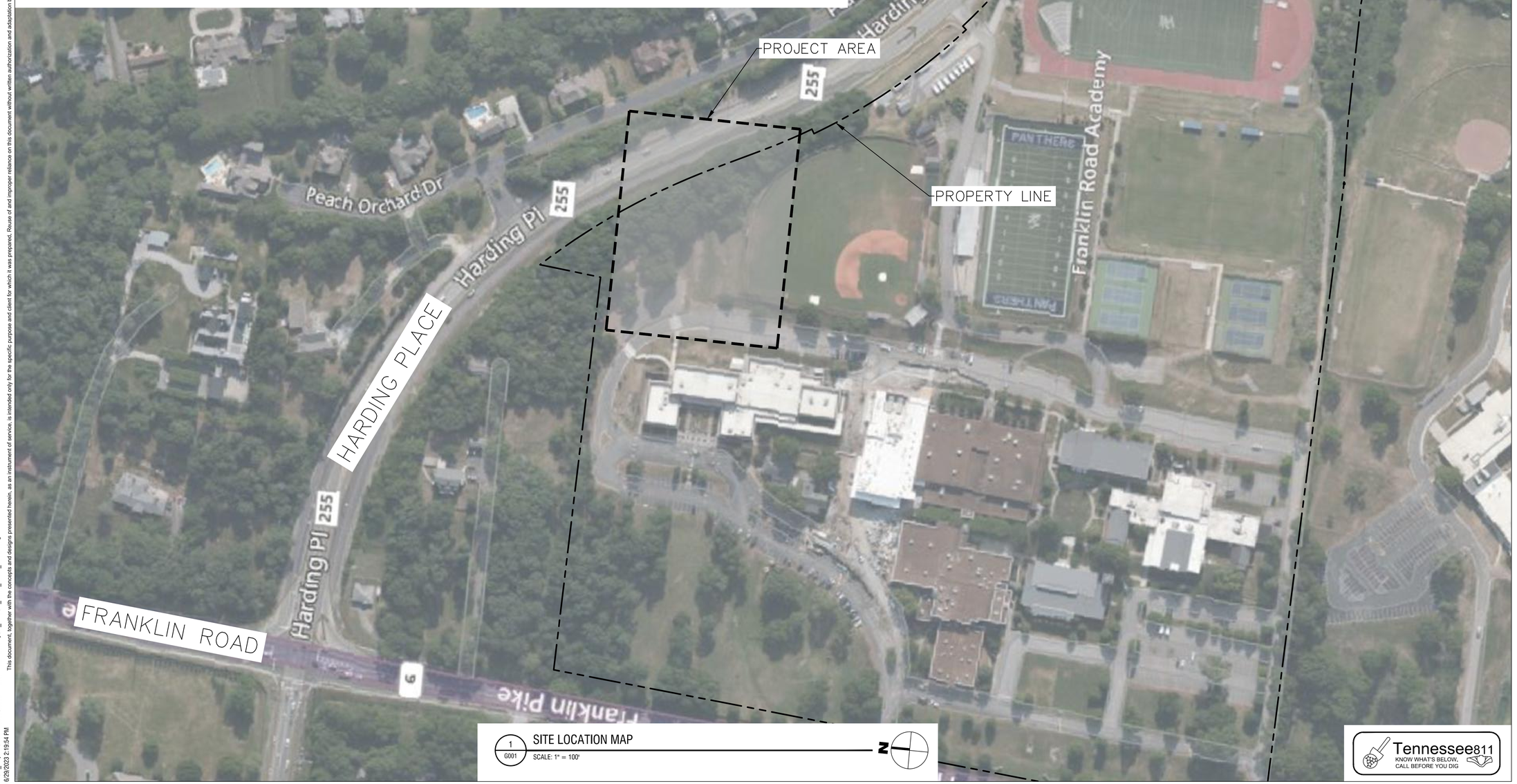
HARDING PLACE CONNECTOR

FRANKLIN ROAD ACADEMY

4700 FRANKLIN ROAD

NASHVILLE, TN 37220

CCE PROJECT NO: 23005.01



1 G001 SITE LOCATION MAP

SCALE: 1" = 100'

N

Tennessee811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG

COLLECTED
CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURE CIVIL No. 121941 STATE OF TENNESSEE

6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY:	REVIEWED BY:
PM	PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

COVER SHEET

DRAWING NUMBER:

C0.00

GENERAL NOTES:

1. BASIC INFORMATION WAS TAKEN FROM A PARTIAL TOPOGRAPHIC SURVEY PREPARED BY TWO SURVAY CONSULTANTS(CHERRY LAND SURVEYING & LEA). CHAZEN ENGINEERING CONSULTANTS AND ANY OF THE PROJECT DESIGN TEAM SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION HEREIN.
2. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.

DEMOLITION NOTES:

1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
2. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
3. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
4. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
5. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
6. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
7. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
8. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
9. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
10. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ AUTHORITY HAVING JURISDICTION.
11. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
12. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
13. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
14. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
15. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
16. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
17. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
18. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
19. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.

GRADING NOTES:

1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BLASTING OPERATIONS WILL ADHERE TO TENNESSEE STATE AND LOCAL AUTHORITY ORDINANCES GOVERNING THE USE OF EXPLOSIVES. THE STATE REGULATIONS ARE CONTAINED IN TENNESSEE CODE – TITLE 68 CHAPTER 105 HEALTH, SAFETY AND ENVIRONMENTAL PROTECTION BLASTING AND EXPLOSIVES.
4. STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS. TOPSOIL MAY BE STORED AND REUSED IN LAWN AND PLANTING AREAS ONLY. TOPSOIL AND SEED ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE TO REMAIN GREEN.
5. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. ORNAMENTAL TREES, SHRUBS AND HEDGES WHICH MUST BE REMOVED DURING CONSTRUCTION SHALL BE HEALED IN AND RE-PLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE.
7. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
8. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.

ROCK BLASTING NOTES:

BLASTING OF BEDROCK IS NOT ANTICIPATED AT THIS SITE IN ORDER TO COMPLETE THE PROPOSED DEVELOPMENT. HOWEVER, THESE NOTES ARE INCLUDED SHOULD UNFORESEEN CONDITIONS REQUIRE THE NEED FOR BLASTING TO EXCAVATE BEDROCK.

1. ALL RECOMMENDED SAFETY REQUIREMENTS AND STANDARDS REFERENCED AND ANY LOCAL RESTRICTIONS SHALL BE APPLIED AS REQUIRED FOR SAFETY, SECURITY, AND SPECIFICALLY RELATED DETAILS FOR BLASTING PROCEDURES. AT ALL TIMES, FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE FOLLOWED CONCERNING THE TRANSPORTATION AND STORAGE OF EXPLOSIVES.
2. A MINIMUM OF FOUR (4) WEEKS PRIOR TO COMMENCEMENT OF THE INITIAL BLASTING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AS APPROPRIATE: POLICE AGENCIES, GAS AND ELECTRIC SERVICE COMPANIES, TELEPHONE AND CABLE OPERATING COMPANIES, TOWN WATER AND SEWER DEPARTMENTS, TDOT, AND LOCAL FIRE, RESCUE, AND AMBULANCE SERVICES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THE USE OF EXPLOSIVES. EXPLOSIVES SHALL BE STORED IN A SECURE MANNER IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES.
4. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY AND UTILITY OWNER HAVING A BUILDING, STRUCTURE, OR OTHER INSTALLATION ABOVE OR BELOW GROUND IN PROXIMITY TO THE SITE OF THE WORK OF HIS INTENTION TO USE EXPLOSIVES. NOTICE SHALL BE GIVEN SUFFICIENTLY IN ADVANCE TO ENABLE THE OWNERS TO TAKE STEPS TO PROTECT THEIR PROPERTY. NOTICE SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DAMAGE RESULTING FROM HIS BLASTING OPERATIONS.
5. THE CONTRACTOR SHALL SCHEDULE AND CONDUCT PRE-BLAST SURVEYS WITH PROPERTY OWNERS LOCATED IN THE AREA POTENTIALLY AFFECTED BY AIRBLAST OVERPRESSURE AND GROUND VIBRATION OR AS REQUIRED.
6. THE CONTRACTOR SHALL IMPLEMENT ENGINEERING MEASURES IN ORDER TO MINIMIZE THE POTENTIAL IMPACTS OF DUST, NOISE AND GROUND VIBRATION. BLAST VIBRATION CONTROL WILL BE ACHIEVED BY LIMITING THE CHARGE PER DELAY SO THAT THE PEAK PARTICLE VELOCITY REMAINS BELOW THE SPECIFIED LEVELS.
7. A APPROPRIATELY QUALIFIED, LICENSED BLASTING SPECIALIST, WITH EXPERIENCE SHALL BE ONSITE AND SUPERVISE BLASTING OPERATIONS. AT ALL TIMES, THE BLASTING AREA SHALL BE RESTRICTED TO BLASTING OPERATIONS AND AUTHORIZED PERSONNEL ONLY.
8. PROTECTIVE MEASURES INCLUDING INSTALLATION OF SIGNAGE, NOTIFICATION OF NEARBY RESIDENTS, TRAFFIC CONTROL AS NECESSARY ALONG NEARBY ROADS, AUDIBLE PRE-BLAST WARNINGS, AND USE OF BLAST MATS SHALL BE IMPLEMENTED.
9. DELIVERY AND TRANSPORT OF EXPLOSIVES FROM THE POWDER MAGAZINES TO THE BLAST AREA WILL BE BY VEHICLES SPECIFICALLY DESIGNED FOR THIS USE BY THE CRITERIA OUTLINED IN THE SAFETY REQUIREMENTS. ONLY AUTHORIZED PERSONS WILL TRANSPORT AND HANDLE THE EXPLOSIVES AS DESIGNATED BY THE ISSUING AUTHORITY OF THOSE LICENSES FOR THIS PURPOSE.
10. MONITORING OF PEAK PARTICLE VELOCITY (INCHES/SECOND) AND PEAK AIRBLAST OVERPRESSURE (PSI) SHALL BE PERFORMED DURING ALL BLASTS.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH TDEC'S "TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK" DATED AUGUST 2012 OR LATEST EDITION.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES.
   A. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER).
   B. STABILIZATION SHALL BE PROVIDED FOR SLOPES 35% OR GREATER WITHIN 7 DAYS IN AREAS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER).
   C. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER).
   D. SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
8. ALL SWALES SHALL HAVE STONE CHECK DAMS AT REGULAR INTERVALS PER RESPECTIVE DETAIL WHETHER INDICATED ON THE DRAWINGS OR NOT.

EROSION AND SEDIMENT CONTROL MEASURES:

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:
INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES A LINER OF STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF ENGINEER.

EROSION CONTROL BLANKET:
INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

STORM DRAIN INLET PROTECTION:
INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

FLOODPLAIN NOTE:

1. ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP (FIRM), DAVIDSON COUNTY, TENNESSEE, COMMUNITY PANEL NUMBER 47037C0359H DATED APRIL 5, 2017, THE PROJECT SITE LIES WITHIN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

Design Point (DP)	2 Yr.		5 Yr.		10 Yr.		25 Yr.		50 Yr.		100 Yr.	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
1	6.2	6.2	11.4	11.3	15.2	15.1	20.2	20.0	24.0	23.8	27.9	27.6

STORMWATER NOTE:

1. THERE WILL BE NO INCREASE IN THE Q50 RUNOFF FROM THE DEVELOPMENT ONTO TDOT ROW.

GENERAL CONSTRUCTION:

1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A TENNESSEE STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
5. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
8. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
9. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING AS ORDERED BY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.

LAYOUT :

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

PAVING:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE AGGREGATE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION (TDOT) AND CITY OF CHATTANOOGA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION (TDOT) AND CITY OF CHATTANOOGA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION. TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
   B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

STRIPING:

1. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
2. COLOR: DOUBLE CENTER LINE – YELLOW
   EDGE LINES – WHITE
   CROSSWALKS – WHITE
   PARKING STALL – WHITE
3. PAINT SHALL BE THERMOPLASTIC PER TDOT STANDARD SPECIFICATIONS.

TOPSOIL SPECIFICATIONS:

1. EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

SITE PREPARATION:

1. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED.
2. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
3. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIALS:

1. NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA:
   A. ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.
   B. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.
   C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
   D. CONTAINING THE FOLLOWING WASHED GRADATIONS:

SIEVE DESIGNATION	% PASSING
1"	100
1/4"	97–100
NO 200	20–60

APPLICATION AND GRADING:

1. TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER.
2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

Infiltration Test Location	Test Depth (ft)	Permeability Rate (in/hr)	Depth to Restrictive Feature (ft)
TP-1	6.5	-	N/A
TP-2	6	-	N/A
TP-3	8	-	N/A
TP-4	2.5	2	N/A
TP-5	2.25	2	N/A
TP-6	2	2.5	N/A
TP-7	1.5	3	N/A

INFILTRATION TESTING COMPLETED BY COLLECTED CIVIL ENGINEERING ON JUNE 5, 2023.

A STABILIZED INFILTRATION RATE OF AT LEAST 2.0"/HR WAS REALIZED AT ALL TESTING LOCATIONS.

ROCK REFUSAL IS LABELED AS "RR" IN THE THE ABOVE CHART.

PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

1. SITE PREPARATION
   A. BRING AREA TO BE SEEDED TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS REQUIRED.
   B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES.
   C. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.
   D. LIME TO PH OF 6.5.
   E. FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF.
   F. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.
   G. SMOOTH AND FIRM THE SEEDBED.
2. SEED MIXTURE FOR USE ARE SHOWN IN THE TABLE BELOW:

	Zone	Best	Marginal	Rate/Mix (lb/ac PLS)
Region III	>2500 FT ELEV; STEEP SLOPES	Mar 20 – Apr 30	Aug 15 – Aug 30 Mar 1 – Mar 20 Apr 20 – June 15	15 Browntop Millet* (nurse crop) 5 Agrostis perennans 10 little bluestem 2 black-eyed susan 0.5 monarda (bergamot) 4 Maryland senna
	<2500 ft elev; steep slopes	Aug 15 – Sept 1 Mar 1– Apr 1	Sept 1 – Sept 15 Apr 1 – June 10	
	>2500 ft elev.; Shallow soils	Mar 20 – Apr 20	Aug 15 – Aug 30 Mar 5 – Mar 20 April 20 – June 15	15 Browntop Millet* (nurse crop) 4 purpletop 10 little bluestem 2 partridge pea 2 black-eyed susan 0.5 monarda (bergamot)
	<2500 ft elev.; Shallow soils	Aug 15 – Sept 1 Mar 1 – Apr 1	Sept 1 – Sept 15 Apr 1 – June 10	
	>2500 ft elev.; Moderate slopes	Mar 20 – Apr 20	Aug 15 – Aug 30	15 Browntop Millet* (nurse crop) 5 Agrostis perennans 10 little bluestem 2 black-eyed susan 0.5 monarda (bergamot) 4 Maryland senna
	<2500 ft elev.; Moderate slopes	Aug 15 – Sept 1 Mar 1 – Apr 1	Sept 1 – Sept 15 Apr 1 – June 10	
(Allowable)	>2500 ft elev.; High maintenance	Mar 20 – Apr 1	Aug 15– Aug 30 Mar 5 – Mar 20 Apr 20 – June 15	15 Browntop Millet* (nurse crop) 45 red fescue* 100 hard fescue* 50 chewing fescue*
	<2500 ft elev.; High maintenance	Aug 15 – Sept 1 Mar 1 – Apr 1	Sept 1 – Sep 15 Apr 1 – June 10	

SOURCE: MODIFIED VERSION OF THE "PREFERRED" MIX TABLE 7.9-1 AND THE "ALLOWABLE" MIX TABLE 7.9-2 IN THE TDEC EROSION & SEDIMENT CONTROL HANDBOOK, DATED AUGUST 2012.

UTILITY NOTES:

1. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN TOP OF SEWER AND BOTTOM OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN NOT POSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, SEWER PIPE SHALL BE PRESSURE RATED AND TESTED @ 150psi, 10 (TEN) FEET ON EACH SIDE OF THE WATER MAIN BEING CROSSED.
4. ALL PROPOSED UTILITIES SHALL TERMINATE 5 FEET FROM ANY PROPOSED BUILDING FACE. CONTRACTOR TO COORDINATE WITH BUILDING PLANS FOR ANY CONNECTIONS.
5. ALL STORM SEWER SHALL BE RCP (REINFORCED CONCRETE PIPE) UNLESS OTHERWISE SPECIFIED.
6. ALL SANITARY SEWER GRAVITY MAINS SHALL BE 8" PVC SDR 35 UNLESS OTHERWISE SPECIFIED.
7. ALL WATER PIPE SHALL BE STEEL PIPE UNLESS OTHERWISE SPECIFIED. COORDINATE W/ TENNESSEE AMERICA WATER (TAW).
8. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION.
9. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
10. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED.
11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION OF THE WORK.
12. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.

COMPACTION REQUIREMENTS

LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 LF OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE BEDDING AND PIPE ZONE BACKFILL	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT OF SELECT GRANULAR FILL (FILL BETWEEN SHEET PILES)	95% ASTM D1557	1 TEST FOR EVERY 2,000 SQ FT, OF LIFT AREA BUT NO FEWER THAN TWO TESTS PER LIFT

INDEX OF DRAWINGS

LEGEND:

LAYOUT:
- LOT LINE
- EASEMENT LINE
- PAVED ROAD
- ROAD CENTER LINE
- CURB
- GRAVEL DRIVEWAY
- WORKLIMITS
- GUIDERAIL
- CHAIN LINK FENCE
- RIPRAP
- CONCRETE
- ROAD LINING & STRIPING

UTILITIES:
- S — SANITARY SEWER LINE
- FM — FORCE MAIN
- W — WATER LINE
- ST — STORM DRAIN LINE & STRUCTURES
- SIZE & TYPE — W/ HEADWALL
- E — ELECTRIC LINE
- G — GAS LINE

GRADING & EROSION CONTROL:
- XXX — 10 FT CONTOUR
- XXX — 2 FT CONTOUR
- XXX.XX X — SPOT ELEVATIONS
- TREE LINE
- DRAINAGE SWALE
- ORANGE CONSTRUCTION FENCE
- EROSION CONTROL BARRIER – SILT FENCE
- CHECK DAM WITH DITCH FLOW DIRECTION
- TD — TEMPORARY DIVERSION SWALE
- SPOILS STORAGE AREA
- STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP
- EROSION CONTROL BLANKET

SYMBOLS:
- SIGN
- CATCH BASIN
- DRAINAGE MANHOLE
- CURB INLET-RIGHT
- CURB INLET-CENTER
- CURB INLET-LEFT
- TEST PIT LOCATION

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921B Woodland Street Nashville, TN 37206

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR: LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

LEGEND & NOTES

DRAWING NUMBER:

C0.01

VICINITY MAP
SCALE: 1"= 2000'

TDOT PLAN REFERENCES:

1. PRESENT LAYOUT S.R. 255 (HARDING PLACE) STA. 81+00 TO STA. 91+50
2. PRESENT LAYOUT I-65 STA. 1285+00 TO STA. 1297+00

COLLECTED
CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURAL No. 113421 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR

4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR: LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE: 1" = 20'

ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

EXISTING CONDITIONS PLAN

DRAWING NUMBER:

C1.00

Tennessee811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG

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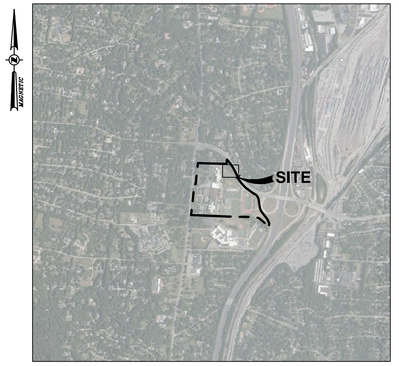


VICINITY MAP
SCALE: 1"= 2000'

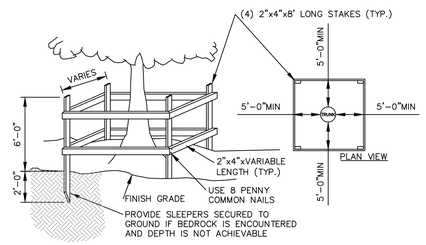
TDOT PLAN REFERENCES:

1. PRESENT LAYOUT S.R. 255 (HARDING PLACE) STA. 81+00 TO STA. 91+50
2. PRESENT LAYOUT I-65 STA. 1285+00 TO STA. 1297+00

EXISTING TREES TO BE REMOVED		
EXISTING TREE	CALIPER	SPECIES
#1	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#2	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#3	18"	EXISTING TREE TO REMAIN & BE PROTECTED
#4	12"	EXISTING TREE TO REMAIN & BE PROTECTED
#5	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#6	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#7	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#8	24"	EXISTING TREE TO REMAIN & BE PROTECTED
#9	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#10	5"	EXISTING TREE TO REMAIN & BE PROTECTED
#11	8"	EXISTING TREE TO REMAIN & BE PROTECTED
#12	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#13	6"	*SEE NOTE
#14	6"	*SEE NOTE
#15	4"	*SEE NOTE
#16	5"	*SEE NOTE
#17	8"	*SEE NOTE
#18	36"	*SEE NOTE
#19	28"	*SEE NOTE
#20	40"	*SEE NOTE
#21	36"	*SEE NOTE
#22	5"	*SEE NOTE
#23	5"	*SEE NOTE
#24	16"	*SEE NOTE
#25	18"	*SEE NOTE
#26	24"	*SEE NOTE
#27	12"	*SEE NOTE
#28	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#29	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#30	8"	EXISTING TREE TO REMAIN & BE PROTECTED
#345	–	EXISTING TREE TO REMAIN & BE PROTECTED
#346	–	*SEE NOTE
#347	–	*SEE NOTE
#348	–	EXISTING TREE TO REMAIN & BE PROTECTED
#349	–	EXISTING TREE TO REMAIN & BE PROTECTED
#361	–	EXISTING TREE TO REMAIN & BE PROTECTED
#362	–	EXISTING TREE TO REMAIN & BE PROTECTED
#363	36"	*SEE NOTE
#364	40"	*SEE NOTE
#365	24"	*SEE NOTE
#366	36"	*SEE NOTE
#367	–	EXISTING TREE TO REMAIN & BE PROTECTED
#368	–	EXISTING TREE TO REMAIN & BE PROTECTED
#369	–	EXISTING TREE TO REMAIN & BE PROTECTED
#370	–	EXISTING TREE TO REMAIN & BE PROTECTED
#371	–	EXISTING TREE TO REMAIN & BE PROTECTED
#372	–	EXISTING TREE TO REMAIN & BE PROTECTED
#381	–	EXISTING TREE TO REMAIN & BE PROTECTED
#382	–	EXISTING TREE TO REMAIN & BE PROTECTED

409 CALIPER INCHES TO BE REMOVED

NOTE:
EXISTING TREES ARE A MIXTURE OF CEDAR, OAKS, ASHES, AND MAPLES



NOTE:
TEMPORARY TREE PROTECTION TO EXTEND TO THE DRIP LINE OF THE TREE BEING PROTECTED.

2 **TEMPORARY TREE PROTECTION DETAIL**
SCALE: NOT TO SCALE

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PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURE CIVIL No. 113421 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:	
LAND DISTURBANCE PERMIT	
PROJECT NUMBER: 23005.01	DATE: 6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW: N	SCALE: 1" = 20' (0, 20)

0 1 2
ORIGINAL SCALE IN INCHES

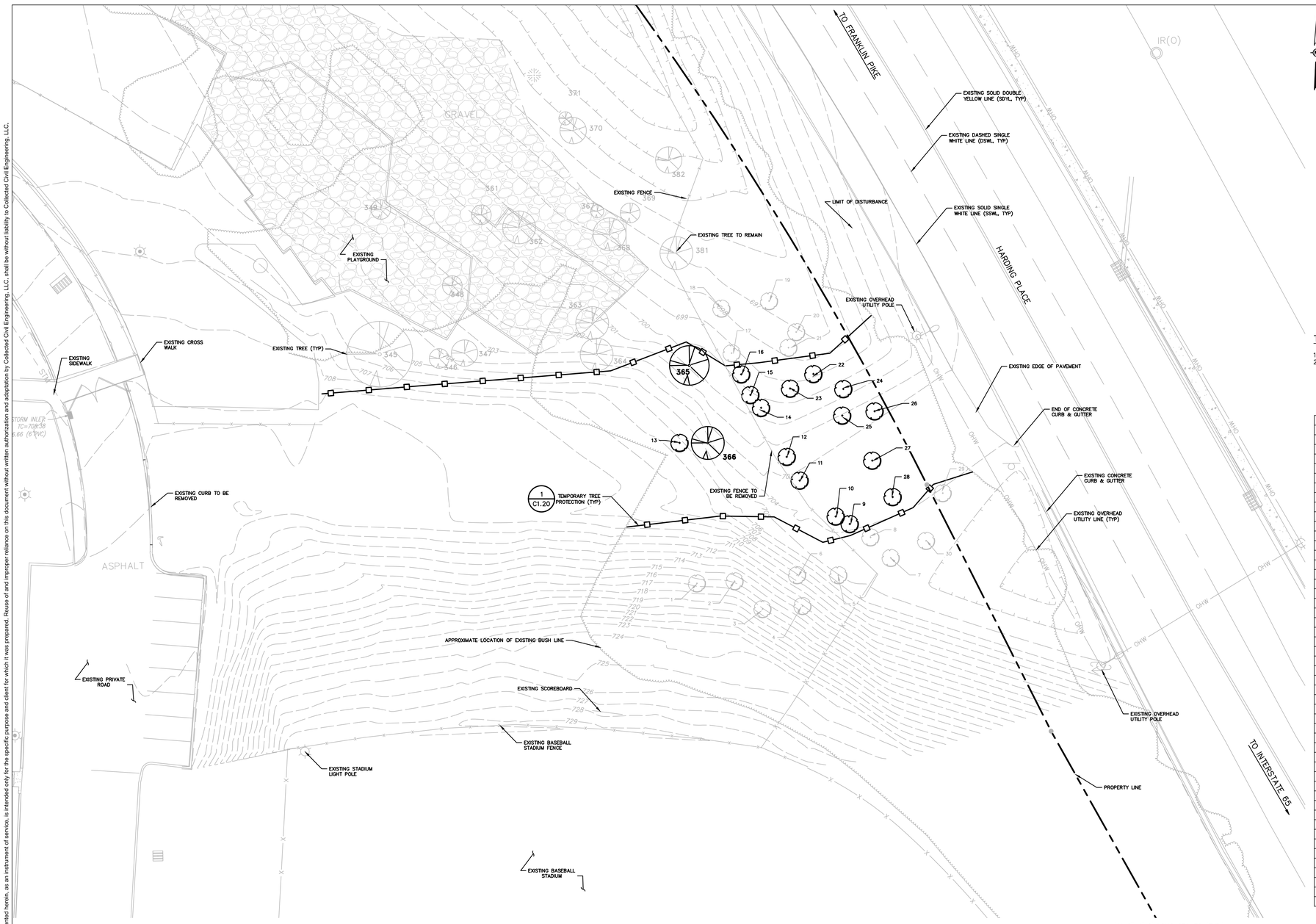
REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

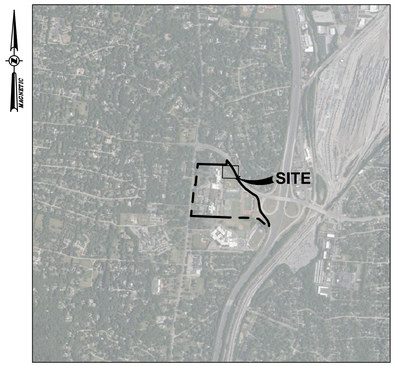
DRAWING NAME:

BZA APPROVED TREE REMOVAL PLAN

DRAWING NUMBER:

C1.10





VICINITY MAP
SCALE: 1"= 2000'

TDOT PLAN REFERENCES:

1. PRESENT LAYOUT S.R. 255 (HARDING PLACE) STA. 81+00 TO STA. 91+50
2. PRESENT LAYOUT I-65 STA. 1285+00 TO STA. 1297+00

EXISTING TREES TO BE REMOVED		
EXISTING TREE	CALIPER	SPECIES
#1	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#2	6"	EXISTING TREE TO REMAIN & BE PROTECTED
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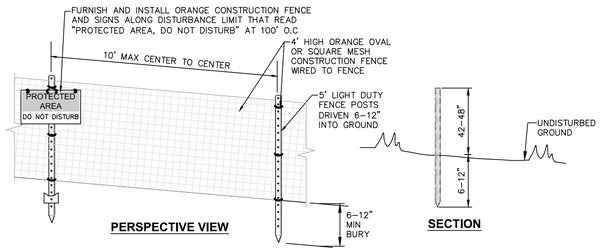
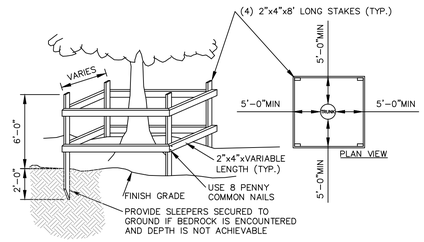
#7	10"	EXISTING TREE TO REMAIN & BE PROTECTED
#8	24"	EXISTING TREE TO REMAIN & BE PROTECTED
#9	**6"**	***SEE NOTE**
#10	**5"**	***SEE NOTE**
#11	**8"**	***SEE NOTE**
#12	**10"**	***SEE NOTE**
#13	**6"**	***SEE NOTE**
#14	**6"**	***SEE NOTE**
#15	**4"**	***SEE NOTE**
#16	**5"**	***SEE NOTE**
#17	8"	EXISTING TREE TO REMAIN & BE PROTECTED
#18	36"	EXISTING TREE TO REMAIN & BE PROTECTED
#19	28"	EXISTING TREE TO REMAIN & BE PROTECTED
#20	40"	EXISTING TREE TO REMAIN & BE PROTECTED
#21	36"	EXISTING TREE TO REMAIN & BE PROTECTED
#22	**5"**	***SEE NOTE**
#23	**5"**	***SEE NOTE**
#24	**16"**	***SEE NOTE**
#25	**18"**	***SEE NOTE**
#26	**24"**	***SEE NOTE**
#27	**12"**	***SEE NOTE**
#28	**10"**	***SEE NOTE**
#29	6"	EXISTING TREE TO REMAIN & BE PROTECTED
#30	8"	EXISTING TREE TO REMAIN & BE PROTECTED
#345	–	EXISTING TREE TO REMAIN & BE PROTECTED
#346	–	EXISTING TREE TO REMAIN & BE PROTECTED
#347	–	EXISTING TREE TO REMAIN & BE PROTECTED
#348	–	EXISTING TREE TO REMAIN & BE PROTECTED
#349	–	EXISTING TREE TO REMAIN & BE PROTECTED
#361	–	EXISTING TREE TO REMAIN & BE PROTECTED
#362	–	EXISTING TREE TO REMAIN & BE PROTECTED
#363	36"	EXISTING TREE TO REMAIN & BE PROTECTED
#364	40"	EXISTING TREE TO REMAIN & BE PROTECTED
#365	**24"**	***SEE NOTE**
#366	**36"**	***SEE NOTE**
#367	–	EXISTING TREE TO REMAIN & BE PROTECTED
#368	–	EXISTING TREE TO REMAIN & BE PROTECTED
#369	–	EXISTING TREE TO REMAIN & BE PROTECTED
#370	–	EXISTING TREE TO REMAIN & BE PROTECTED
#371	–	EXISTING TREE TO REMAIN & BE PROTECTED
#372	–	EXISTING TREE TO REMAIN & BE PROTECTED
#381	–	EXISTING TREE TO REMAIN & BE PROTECTED
#382	–	EXISTING TREE TO REMAIN & BE PROTECTED

200 CALIPER INCHES TO BE REMOVED

NOTE:
EXISTING TREES ARE A MIXTURE OF CEDAR, OAKS, ASHES, AND MAPLES



1 **TEMPORARY TREE PROTECTION DETAIL - LINEAR BOUNDARY**
SCALE: NOT TO SCALE



NOTE:
TEMPORARY TREE PROTECTION TO EXTEND TO THE DRIP LINE OF THE TREE BEING PROTECTED.

1 **TEMPORARY TREE PROTECTION DETAIL - INDIVIDUAL**
SCALE: NOT TO SCALE

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6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW: N	SCALE: 1" = 20' (0, 20)

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

PROPOSED EXISTING TREE REMOVAL PLAN

DRAWING NUMBER:

C1.20

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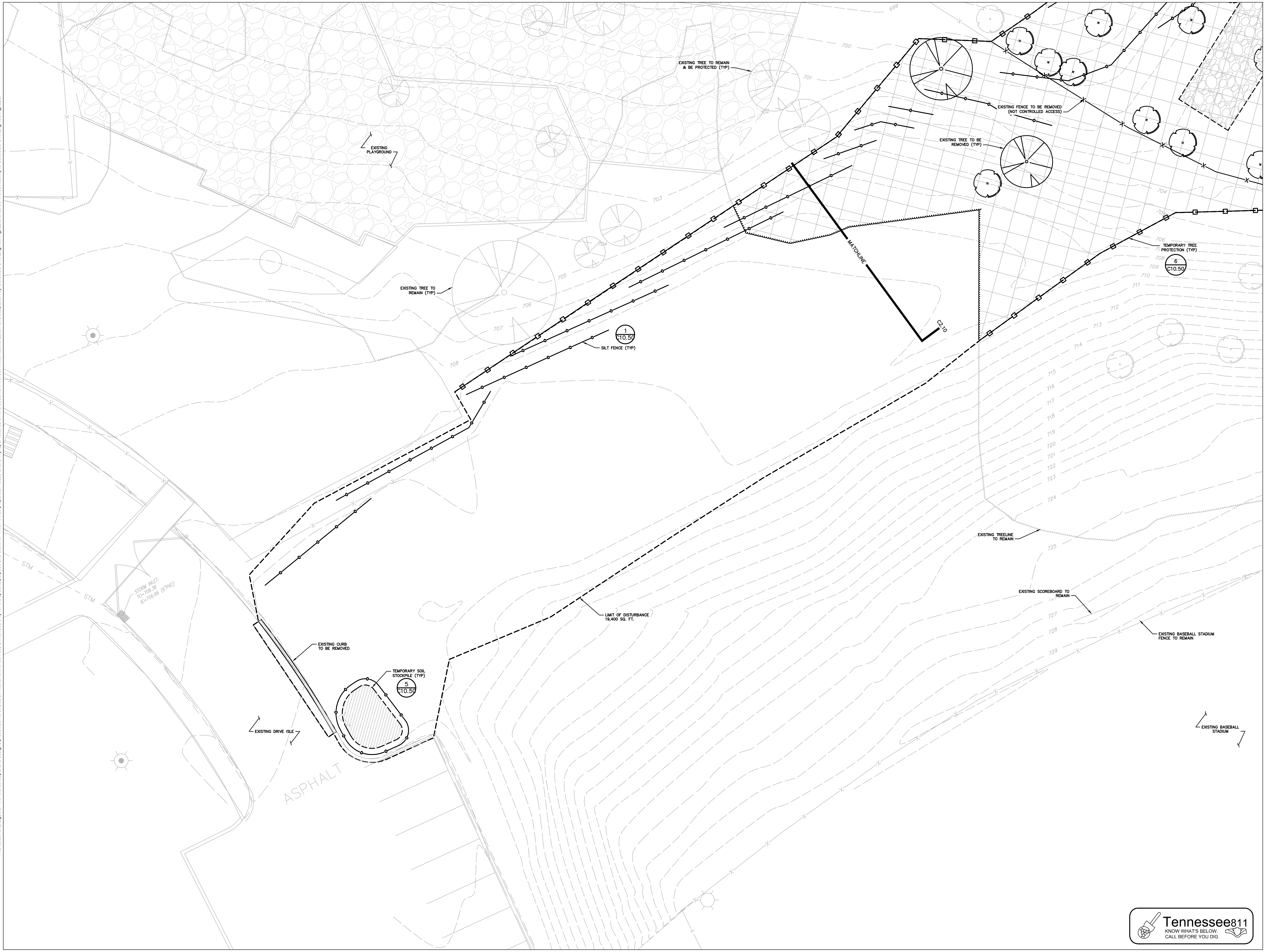

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PETER ROMANO JR.
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 119247
STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW: N	SCALE: 1" = 10' (0 – 10)

0 1 2
ORIGINAL SCALE IN INCHES

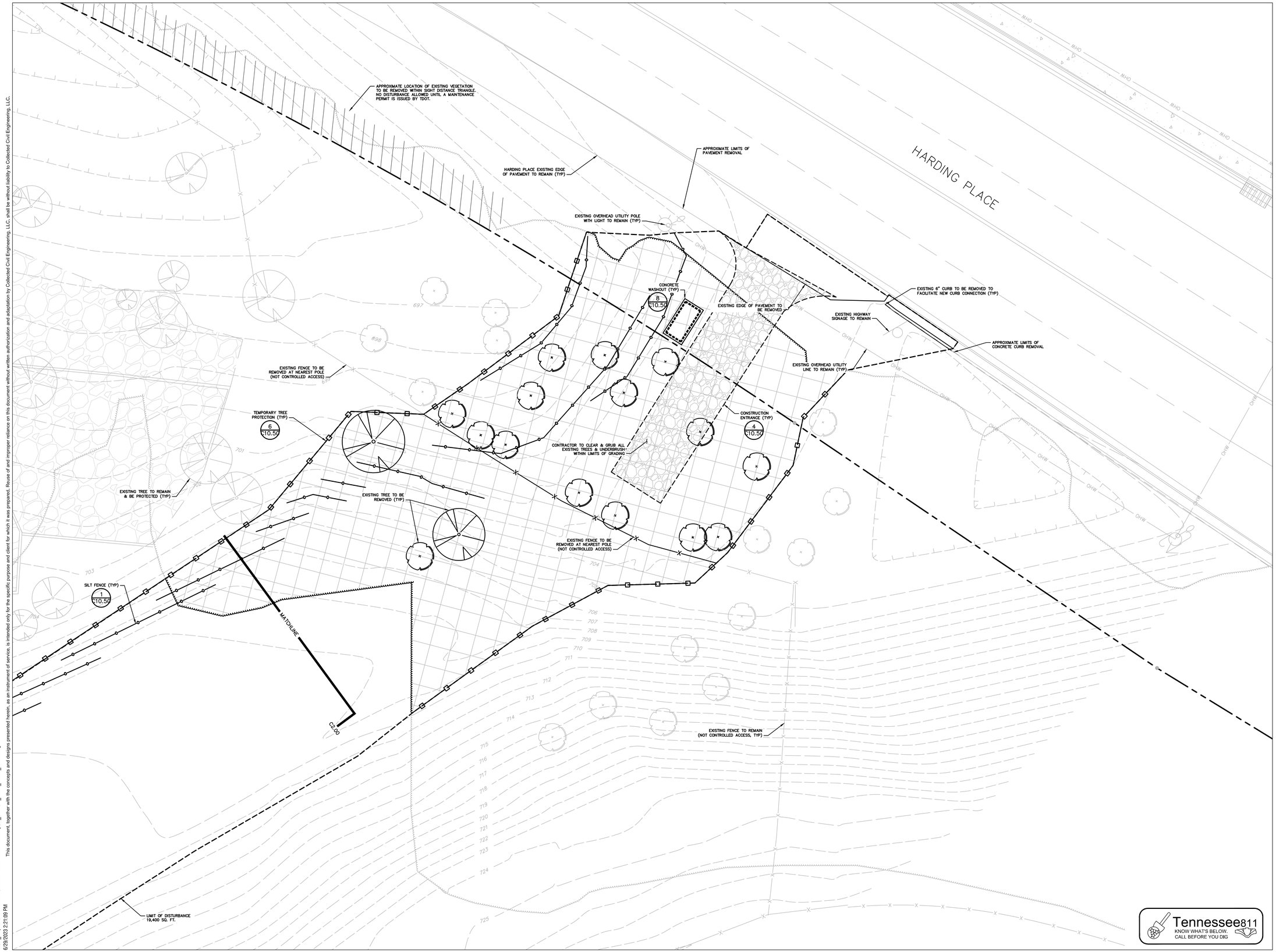
REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

DEMOLITION & INITIAL EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER:

C2.00



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CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURE, CIVIL No. 113411 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR: LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE: 1" = 10'

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS

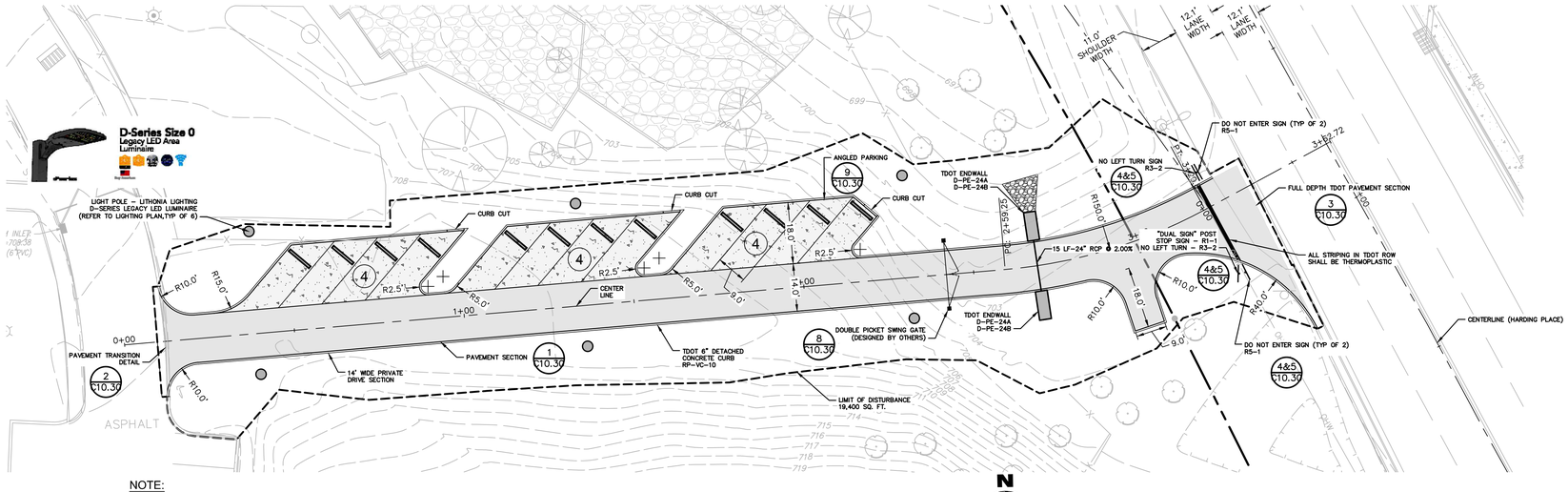
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

DEMOLITION & INITIAL EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER:

C2.10



NOTE:

1. A FULL DEPTH TDOT PAVEMENT SECTION MUST EXTEND FROM EDGE OF TRAVEL LANE (SOLID SINGLE WHITE LINE) TO THE ROW/PROPERTY LINE.

1 C125 DRIVEWAY PLAN

SCALE: 1" = 20'

2 C125 DRIVEWAY PROFILE

HS: 1" = 20'
VS: 1" = 4'

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921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURE CIVIL No. 113242 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

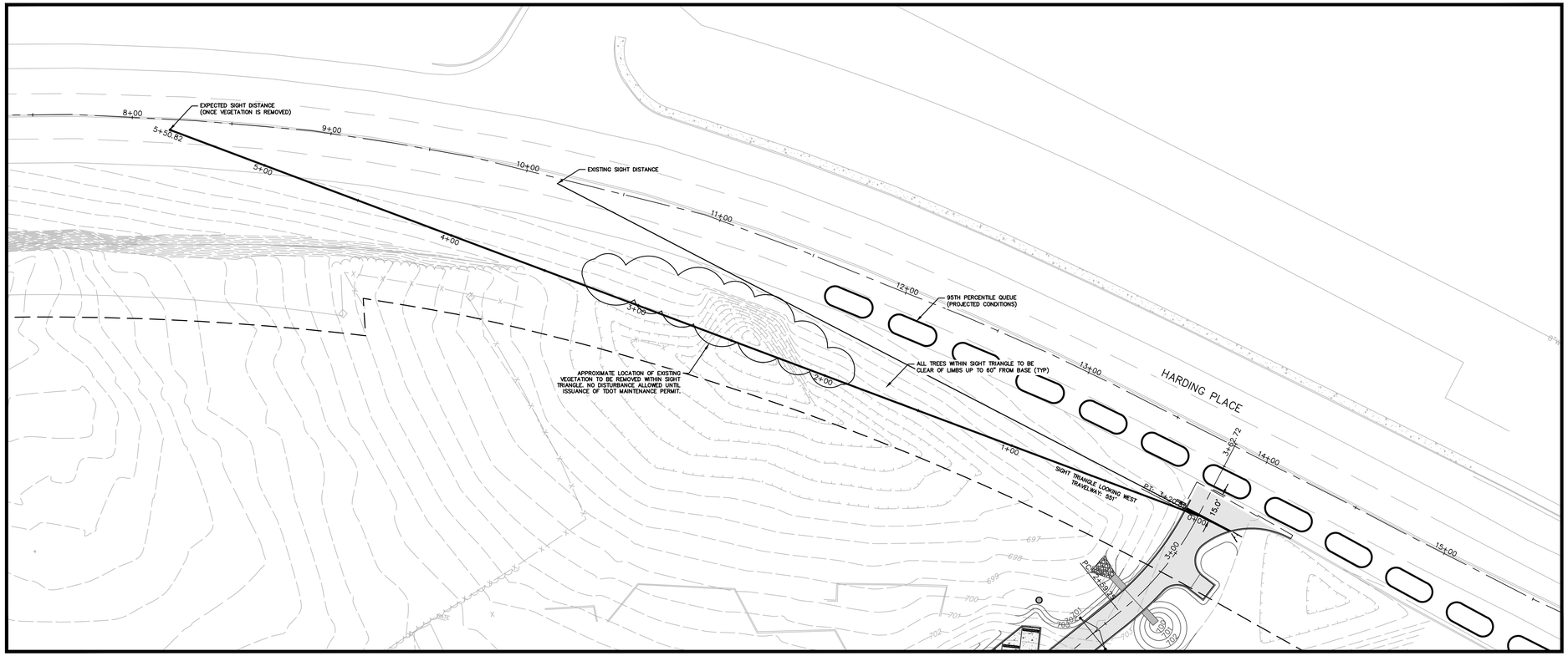
REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

DRIVEWAY PLAN & PROFILE

DRAWING NUMBER:

C3.00



1 FIG1 SIGHT DISTANCE EXHIBIT PLAN

SCALE: 1" = 30'

N

NOTE:

1. ALL DRIVEWAYS MEET TDOT INTERSECTION SIGHT DISTANCE STANDARDS.

NOTE:

1. HARDING PLACE POSTED SPEED LIMIT: 40 MPH
2. HARDING PLACE AVERAGE SPEED LIMIT (PER TAS PROVIDED BY KCI): 49 MPH
3. DESIGN SPEED LIMIT: 50 MPH

NOTE:

FOR INTERSECTION SIGHT DISTANCE

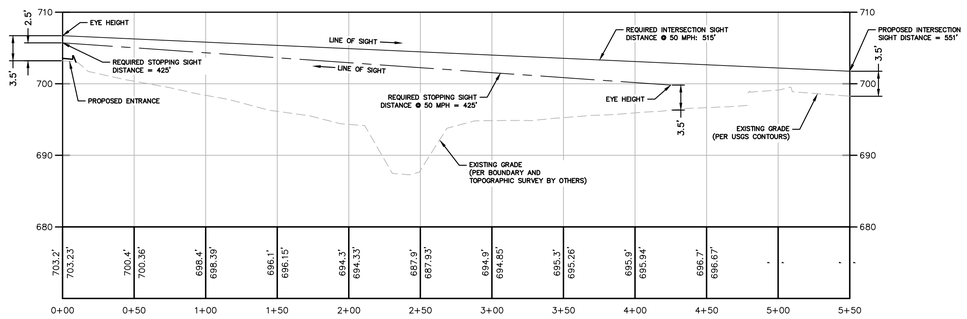
1. HEIGHT OF DRIVER'S EYE = 3.5'
2. HEIGHT OF OBJECT = 3.5'

FOR STOPPING SIGHT DISTANCE

1. HEIGHT OF DRIVER'S EYE = 3.5'
2. HEIGHT OF OBJECT = 2.0'
3. STOPPING SIGHT DISTANCE REQUIRED = 425'
4. CURRENT STOPPING SIGHT DISTANCE FOR EAST BOUND TRAFFIC = 362' (UNTIL OBSTRUCTED BY VEGETATION)

INTERSECTION SIGHT DISTANCE		
REQUIRED		515 FT
EXISTING	WITH OBSTRUCTION DUE TO VEGETATION	362 FT
PROPOSED	ASSUMING VEGETATION IS CLEARED	551 FT

STOPPING SIGHT DISTANCE	
REQUIRED	425 FT
EXISTING (WITH OBSTRUCTION DUE TO VEGETATION)	362 FT



2 FIG1 SIGHT DISTANCE EXHIBIT PROFILE

SCALE: H: 1" = 50'
V: 1" = 10'

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No. 113411
STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

SITE DISTANCE PLAN

DRAWING NUMBER:

C3.10

EXISTING PLAYGROUND

EXISTING TREE (TYP)

CURB CUT

TC: 703.54
BC: 703.04

TC: 703.52
BC: 703.02

LP:703.02

TC: 703.77
BC: 703.27

15 LF–24" RCP @ 2.00%

HW1
D–PE–24A
D–PE–24B
24" INV=699.80

TC: 703.98
BC: 703.48

PERVIOUS CONCRETE
PP3 – 24" DEPTH

7
C10.30

TC: 704.14
BC: 703.64

MATCHLINE

TC: 704.52
BC: 704.02

TC: 704.65
BC: 704.15

TC: 705.03
BC: 704.53

TC: 704.78
BC: 704.28

PERVIOUS CONCRETE
PP2 – 12" DEPTH

TC: 704.96
BC: 704.46

TC: 706.43
BC: 705.93

CURB CUT

WHEEL STOP (TYP)

6
C10.30

TC: 706.91
BC: 706.41

TC: 707.06
BC: 706.56

TC: 707.43
BC: 706.93

TC: 707.19
BC: 706.69

TC: 708.83
BC: 708.33

PERVIOUS CONCRETE
PP1 – 12" DEPTH

TC: 707.36
BC: 706.86

1
C10.30

PAVEMENT SECTION

TC: 709.35
BC: 708.85

STM

STORM INLET
TC=708.58
IE=708.66 (6"PVC)

TC: 709.75
BC: 709.25

ME:709.6±

ME:709.6±

TC: 709.97
BC: 709.47

LIMIT OF DISTURBANCE
19,400 SQ. FT.

TC: 710.25
BC: 709.75

710

EXISTING DRIVE ISLE

ME:710.3±

ME:710.3±

ASPHALT

EXISTING SCOREBOARD

EXISTING BASEBALL STADIUM FENCE

EXISTING BASEBALL STADIUM

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STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR

4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR

NORTH ARROW:

SCALE: 1" = 10'

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

GRADING & DRAINAGE PLAN

DRAWING NUMBER:

C4.00

HARDING PLACE

EXISTING OVERHEAD UTILITY POLE WITH LIGHT (TYP)

ME:703.3±

END CONCRETE CURB

TC/BC: 703.06

TC: 703.95
BC: 703.45

HP:703.50

ROAD STOP MARKING

TDOT 6" DETACHED CONCRETE CURB RP-VC-10

TC: 705.20
BC: 704.70

HP:704.70

HP:703.54

EXISTING HIGHWAY SIGNAGE

MATCH EXISTING CONCRETE CURB

ME:704.5±

EXISTING OVERHEAD UTILITY LINE (TYP)

HW2
D-PE-24A
D-PE-24B
24" INV=699.50

TC: 703.77
BC: 703.27

TDOT RCP INSTALLATION D-PB-1P

15 LF-24" RCP @ 2.00%

TC: 704.26
BC: 703.76

TC: 704.54
BC: 704.04

TC: 704.68
BC: 704.18

TC: 704.49
BC: 703.99

HW1
D-PE-24A
D-PE-24B
24" INV=699.80

TDOT ENDWALL
D-PE-24A
D-PE-24B

TC: 704.66
BC: 704.16

TC: 703.54
BC: 703.04

CURB CUT

TC: 703.52
BC: 703.02

LP:703.02

6
C10.30
WHEEL STOP (TYP)

TC: 703.54
BC: 703.04

PERVIOUS CONCRETE PP3 - 24" DEPTH

7
C10.30

TC: 703.54
BC: 703.04

TC: 703.98
BC: 703.48

10.0' PUBLIC UTILITY & DRAINAGE EASEMENT (TYP)

DOUBLE WIDE PICKET SWING GATE WITH COLUMNS TO MATCH SCHOOL'S MAIN ENTRANCE (6' HIGH MAX)

8
C10.30

TC: 704.14
BC: 703.64

CURB CUT

MATCHLINE

TC: 704.52
BC: 704.02

TC: 704.65
BC: 704.15

TC: 705.03
BC: 704.53

TC: 704.78
BC: 704.28

PAVEMENT SECTION

1
C10.30

EXISTING FENCE (NOT CONTROLLED ACCESS, TYP)

PERVIOUS CONCRETE PP2 - 12" DEPTH

7
C10.30

TC: 704.96
BC: 704.46

TC: 706.43
BC: 705.93

C4.00

TC: 707.06
BC: 706.56

TC: 707.19
BC: 706.69

LIMIT OF DISTURBANCE
19,400 SQ. FT.

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PETER ROMANO JR.
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AGRICULTURAL
No. 113421
STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR

4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:	
LAND DISTURBANCE PERMIT	
PROJECT NUMBER: 23005.01	DATE: 6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE: 1" = 10'

0 1 2
ORIGINAL SCALE IN INCHES

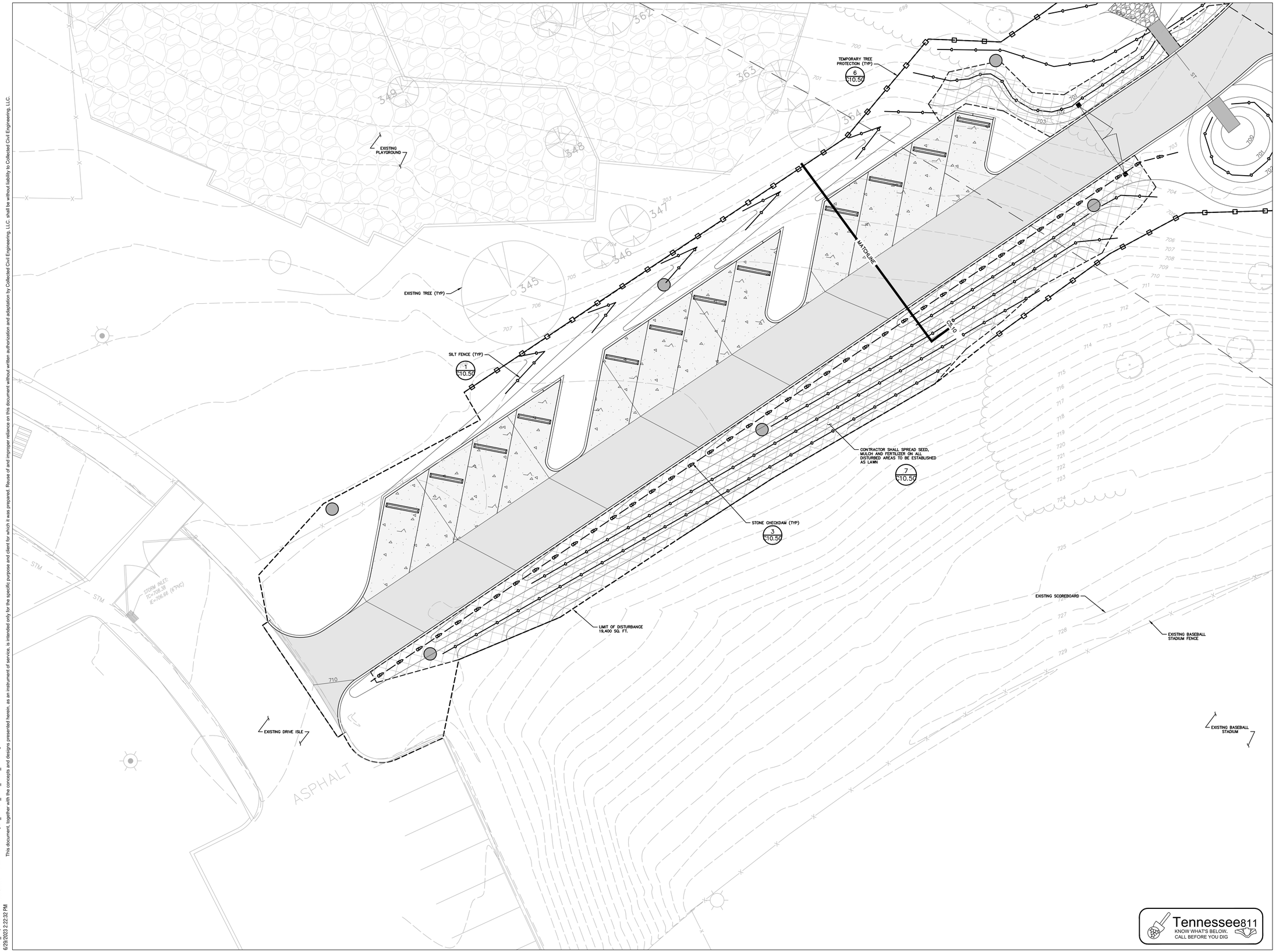
REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

GRADING & DRAINAGE PLAN

DRAWING NUMBER:

C4.10



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PETER ROMANO JR.
REGISTERED ENGINEER
AGRICULTURE
No. 113417
STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE: 1" = 10' (0 – 10)

0 – 1 – 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

INTERMEDIATE/FINAL EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER:

C5.00

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K:\02_Projects\23001-23999\23005 - Franklin Road Academy\02_DWG\01_C5.00_23005_EROS.dwg
6/29/2023 2:22:37 PM

HARDING PLACE

HARDING PLACE EXISTING EDGE OF PAVEMENT

EXISTING OVERHEAD UTILITY POLE WITH LIGHT (TYP)

1 C10.50 SILT FENCE (TYP)

9 C10.50 STONE LINED APRON

EXISTING HIGHWAY SIGNAGE

EXISTING OVERHEAD UTILITY LINE (TYP)

EXISTING 6" CURB

TEMPORARY TREE PROTECTION (TYP)

6 C10.50

MATCHLINE

C5.00

10.0' PUBLIC UTILITY & DRAINAGE EASEMENT (TYP)

EXISTING FENCE (NOT CONTROLLED ACCESS, TYP)

CONTRACTOR SHALL SPREAD SEED, MULCH AND FERTILIZER ON ALL DISTURBED AREAS TO BE ESTABLISHED AS LAWN

7 C10.50

EROSION CONTROL BLANKET (TYP)

2 C10.50

STONE CHECKDAM (TYP)

3 C10.50

LIMIT OF DISTURBANCE
19,400 SQ. FT.

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PETER ROMANO JR.
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AGRICULTURE
No. 113241
STATE OF TENNESSEE

6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR

4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE: 1" = 10' (0, 10)

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS

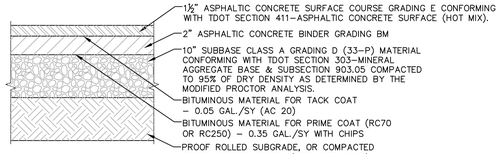
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

INTERMEDIATE/FINAL EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER:

C5.10



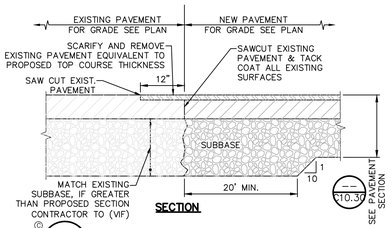
NOTES:

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS, MOST RECENT VERSION, AND ALL ADDENDA THERE TO, AS WELL AS METRO NASHVILLE AND DAVIDSON COUNTY STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION OF ROADWAYS.
2. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 303–MINERAL AGGREGATE BASE OF THE ABOVE REFERENCED TDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
3. ASPHALTIC CONCRETE SURFACE (HOT MIX) SHALL CONFORM WITH SECTION 411–ASPHALTIC CONCRETE SURFACE (HOT MIX), AND SUBSECTIONS 903.11–AGGREGATE FOR ASPHALTIC CONCRETE SURFACE SURFACE COURSE (HOT MIX), 903.16–MINERAL FILLER, 904.01–ASPHALT CEMENTS, AND 918.09(B)–CHEMICAL ADDITIVES(BITUMINOUS ADDITIVES) OF THE ABOVE REFERENCED TDOT STANDARD SPECIFICATIONS.
4. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 403–TACK COAT OF THE ABOVE REFERENCED TDOT STANDARD SPECIFICATIONS.
5. PRIME COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 402–PRIME COAT OF THE ABOVE REFERENCED TDOT STANDARD SPECIFICATIONS.
6. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 205–EMBANKMENTS AND SECTION 207–SUBGRADE CONSTRUCTION AND PREPARATION OF THE ABOVE REFERENCED TDOT STANDARD SPECIFICATIONS.
7. PAVEMENT SECTION SHOWN IS PRELIMINARY. PRIOR TO BIDDING AND COMMENCEMENT OF CONSTRUCTION, THE FINAL DESIGN OF THE PAVEMENT SECTION MUST BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER AND MUST BE BASED ON A CURRENT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
8. IF UNSUITABLE MATERIAL IS ENCOUNTERED, COORDINATE WITH ENGINEER TO DETERMINE APPROPRIATE UNDERCUT DEPTH.

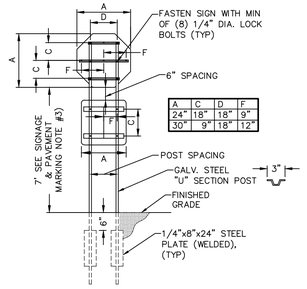
© 1 **PAVEMENT SECTION**
SCALE: NOT TO SCALE

PAVING NOTES:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, MOST RECENT VERSION. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE–OFF USING A SELF–PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   - A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF SUBSECTIONS 904.01 THROUGH 904.03 AND 918.09(B)OF THE TDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MARCH 1, 2006 AND MWS APPLICABLE STANDARDS.
   - B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   - C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   - D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.



© 2 **PAVEMENT TRANSITION DETAIL**
SCALE: NOT TO SCALE



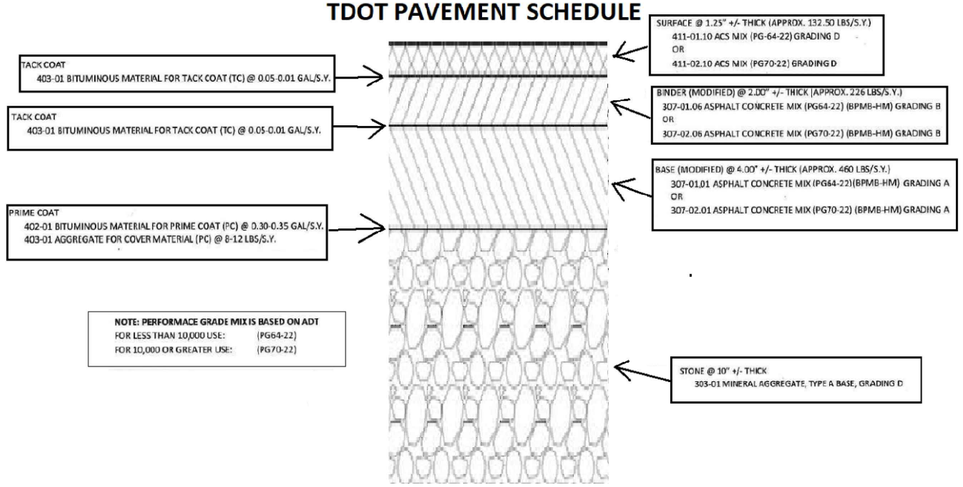
© — **TWO POST STOP SIGN MOUNTING DETAIL**
SCALE: NOT TO SCALE

MUTCD SIGN SCHEDULE

SIGN NO.	SIGN FACE	MUTCD NUMBER	MIN SIZE	COLORS BCK GRND	COLORS LEGEND	MOUNTING
①	STOP	R1–1	30"x30"	RED	WHITE	4 / C10.30
②	DO NOT ENTER	R5–1	30"x30"	RED	WHITE	4 / C10.30
③		R3–2	24"X24"	WHITE	BLACK / RED	4 / C10.30

© 5 **MUTCD SIGN SCHEDULE**
SCALE: NOT TO SCALE

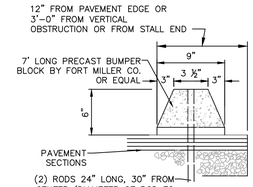
TDOT PAVEMENT SCHEDULE



© 3 **TDOT PAVEMENT SCHEDULE**
SCALE: NOT TO SCALE

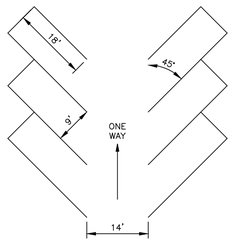
SIGNAGE AND PAVEMENT MARKING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE TDOT STANDARD SPECIFICATIONS, MWS DPW AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – 2009 EDITION."
2. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – 2009 EDITION."
3. SIGN POST SHALL BE IN ACCORDANCE W/ TDOT STANDARD SPECS & MWS DPW STANDARDS.

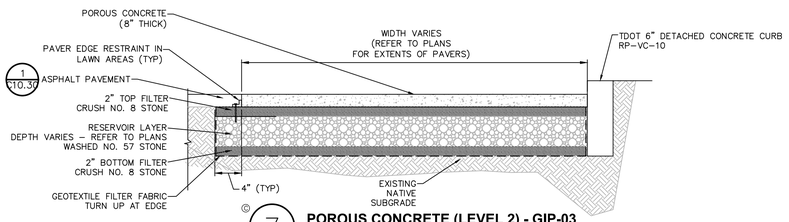


*6' RECYCLED PLASTIC COMPACT WHEEL STOP CAN BE SUBSTITUTED, COORDINATE W/ OWNER

© 6 **PRECAST CONCRETE WHEEL STOP**
SCALE: NOT TO SCALE



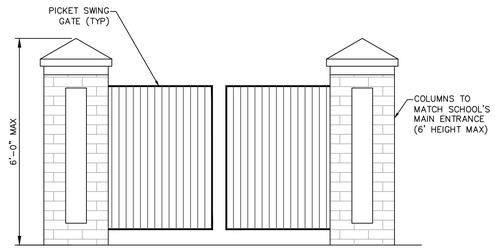
© 7 **ANGLED PARKING**
SCALE: NOT TO SCALE



© 7 **POROUS CONCRETE (LEVEL 2) - GIP-03**
SCALE: NOT TO SCALE

MATERIALS SPECIFICATION FOR PERMEABLE PAVERS

PARAMETERS	SPECIFICATIONS	SIZE	NOTES:
FILTER LAYER (TOP & BOTTOM)	CRUSHED AASHTO NO. 8 STONE	⅜" TO ½"	CLEAN CRUSHED NO. 8 STONE BBBBETWEEN ⅜" TO ½"
STONE RESERVOIR LAYER	WASHED AASHTO NO. 57 STONE	½" TO 1½"	ASTM D448 SIZE NO. 57 STONE. DEPTH IS BASED ON PAVEMENT STRUCTURAL AND HYDRAULIC REQUIREMENTS STONE SHOULD BE WASHED, CLEAN AND FREE OF ALL FINES
GEOTEXTILE (FILTER FABRIC)	MIRIFI 140N OR APPROVED EQUIVALENT	PER MANUFACTURER'S SPECIFICATIONS	PER MANUFACTURER'S SPECIFICATIONS
POROUS CONCRETE	SEE SPECIFICATION	8" THICK	USE COARSE AGGREGATE (⅜ TO NO. 16) PER ASTM C33 OR NO. 89 COARSE AGGREGATE (⅜ TO NO. 50) PER ASTM D448



© 8 **DOUBLE PICKET SWING GATE**
SCALE: NOT TO SCALE

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COLLECTED
CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO — REGISTERED ENGINEER — AGRICULTURAL — No. 121362 — STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR: LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

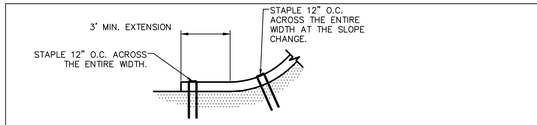
REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

DRAWING NAME:

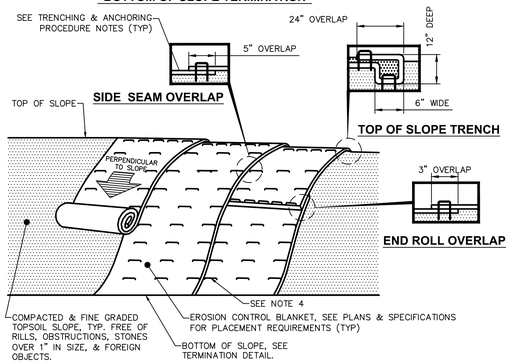
SITE DETAILS

DRAWING NUMBER:

C10.30



"BOTTOM OF SLOPE TERMINATION"



NOTES:

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.
3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

TRENCHING & ANCHORING PROCEDURE NOTES:

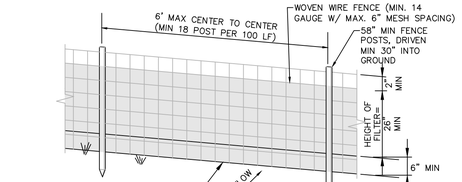
SIDE SEAM OVERLAP: THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

TOP OF SLOPE TRENCH: BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6"D x 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

END ROLL OVERLAP: CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE-STYLE) WITH A 3" OVERLAP. STAPLE THRU OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

LANDLOC C52 OR APPROVED EQUIVALENT.
REQUIREMENTS: TO BE USED ON ALL SLOPES GREATER THAN 3:1 BUT NO STEEPER THAN 2:1, 24 MONTH LONGEVITY , AND INSTALLED PER MANUFACTURER REQUIREMENTS.

© 2 **TEMPORARY EROSION CONTROL BLANKET INSTALLATION DETAIL**
SCALE: NOT TO SCALE

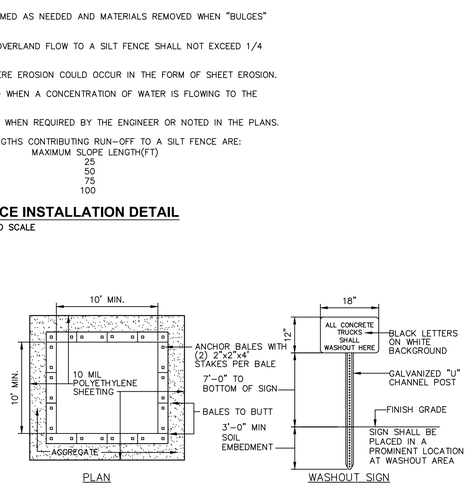


NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "I" OR "U" TYPE OR HARDWOOD.
2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. TIEBACKS ARE ONLY NECESSARY WHEN REQUIRED BY THE ENGINEER OR NOTED IN THE PLANS.
9. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

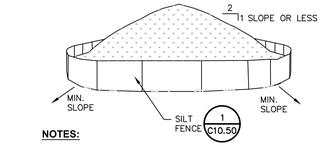
SLOPE STEEPNESS	MAXIMUM SLOPE LENGTH(FT)
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100

© 1 **SILT FENCE INSTALLATION DETAIL**
SCALE: NOT TO SCALE



NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHLENE SHEETING.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

© 8 **CONCRETE WASHOUT AREA DETAIL**
SCALE: NOT TO SCALE



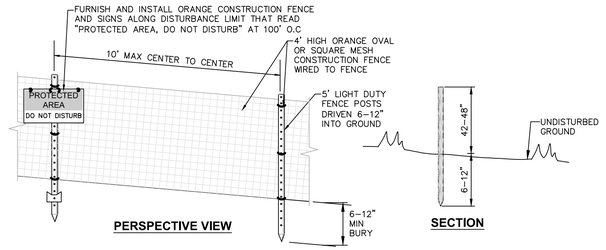
NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V: 2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

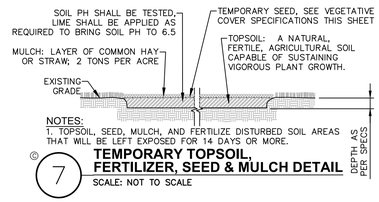
© 5 **TEMPORARY SOIL STOCKPILE DETAIL**
SCALE: NOT TO SCALE

NOTE:
TEMPORARY TREE PROTECTION TO EXTEND TO THE DRIP LINE OF THE TREE BEING PROTECTED.

© 6 **TEMPORARY TREE PROTECTION DETAIL - INDIVIDUAL**
SCALE: NOT TO SCALE



© 6 **TEMPORARY TREE PROTECTION DETAIL - LINEAR BOUNDARY**
SCALE: NOT TO SCALE

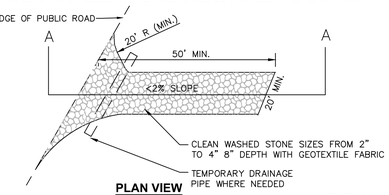


NOTES:
1. TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.

© 7 **TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**
SCALE: NOT TO SCALE

CONSTRUCTION EXIT SPECIFICATIONS:

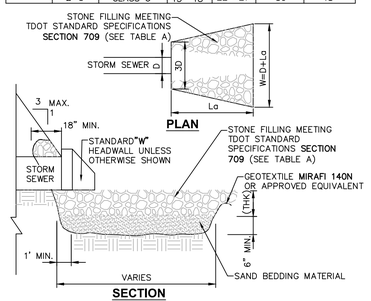
1. CONSTRUCT AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
2. CONSTRUCT ON LEVEL GROUND WHERE POSSIBLE.
3. GEOTEXTILE FABRIC SHALL BE INSTALLED PRIOR TO PLACING STONE ACROSS THE FULL LENGTH AND WIDTH OF THE EXIT. THE AREA WHERE THE PAD IS TO BE INSTALLED SHALL BE UNDERCUT A MINIMUM OF 3-INCHES PRIOR TO LAYING THE FABRIC.
4. STONES SHOULD BE 2-4 INCH CRUSHED, WASHED, AND WELL GRADED ROCK TO AT LEAST AN 8-INCH DEPTH. CRUSHER RUN AND ROAD BASE AR NOT ACCEPTABLE MATERIALS.
5. THE PAD SHALL HAVE A MINIMUM LENGTH OF 50-FT, AND A MINIMUM WIDTH OF 20-FT.
6. A TURNING RADIUS OF 20-FT SHOULD BE PROVIDED ON EACH SIDE OF THE PAD WHERE IT INTERSECTS WITH A PUBLIC ROADWAY.
7. IT IS STRONGLY SUGGESTED THAT PERIMETER FENCING BE INSTALLED PROXIMATE TO THE CONSTRUCTION ENTRANCE THAT WILL LIMIT EGRESS TO THE DESIGNATED CONSTRUCTION EXIT(S).
8. SURFACE WATER - ALL SURFACE WATER FLOWING TOWARD CONSTRUCTION EXITS SHALL BE DIVERTED OR WATERBARS INSTALLED TO DIRECT RUNOFF INTO SEDIMENT TRAPS FOR TREATMENT.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
10. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
11. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



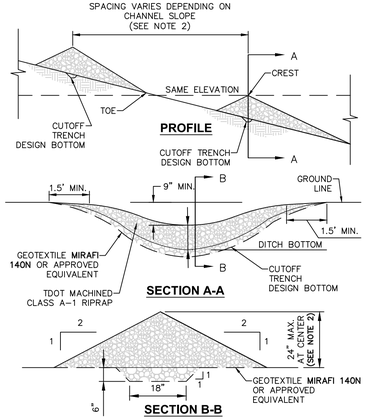
© 4 **STABILIZED CONSTRUCTION EXIT DETAIL**
SCALE: NOT TO SCALE

STONE APRON SIZING REQUIREMENT - TABLE "A"

CULVERT DIA. (D)	CULVERT SLOPE, %	TDOT STANDARD MACHINED RIPRAP MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH(FT) (La)
12"	< 8	CLASS A-1	6"	9"	18	10
	8-10	CLASS A-1	9"-12"	14"-18"	24	10
18"	< 4	CLASS A-1	6"	9"	18	10
	4-6	CLASS B	9"-12"	14"-18"	24	12
	6-8	CLASS C	15"-18"	22"-27"	36	12
	8-10	CLASS C	15"-18"	22"-27"	36	18
24"	< 3	CLASS A-1	6"	9"	18	12
	3-4	CLASS B	9"-12"	14"-18"	24	16
	4-8	CLASS C	15"-18"	22"-27"	36	24
30"	< 1	CLASS A-1	6"	9"	18	15
	1-2	CLASS B	9"-12"	14"-18"	24	20
	2-4	CLASS C	15"-18"	22"-27"	36	25
	4-6	CLASS C	15"-18"	22"-27"	36	30
36"	< 2	CLASS B	9"-12"	14"-18"	24	24
	2-3	CLASS C	15"-18"	22"-27"	36	30
	3-5	CLASS C	15"-18"	22"-27"	36	36
42"	< 1	CLASS B	9"-12"	14"-18"	24	28
	1-2	CLASS C	15"-18"	22"-27"	36	35
	2-3	CLASS C	15"-18"	22"-27"	36	42
48"	< 1	CLASS B	9"-12"	14"-18"	24	32
	1-2	CLASS C	15"-18"	22"-27"	36	40
	2-3	CLASS C	15"-18"	22"-27"	36	48



© 9 **HEADWALL/END SECTION WITH STONE LINED APRON DETAIL**
SCALE: NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:
1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
2. SET SPACING OF CHECK DAMS IN ACCORDANCE W/ THE FOLLOWING:
CHECK DAM SPACING INCREMENT 2'-6" DEEP DITCH/SWALE W/ 1'-9" HIGH CHECK DAM: (SPACING = 100/CHECK DAM HEIGHT (FT) / CHANNEL SLOPE %)

SLOPE:	SPACING:	SLOPE:	SPACING:
0.5%	305'	6%	29'
1%	175'	7%	25'
2%	87'	8%	21'
3%	58'	9%	19'
4%	44'	10%	17'
5%	35'		

CONTRACTOR TO ADJUST SPACING ACCORDINGLY BASED ON ACTUAL DEPTH & SLOPE OF DITCH.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
6. MAXIMUM DRAINAGE AREA IS 2 ACRES.

© 3 **STONE CHECK DAM DETAIL**
SCALE: NOT TO SCALE

COLLECTED
CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURAL No. 113421 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR: LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/5/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW:	SCALE:

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS

NO:	DATE:	DESCRIPTION:
1	6/21/23	RESPONSE TO CITY COMMENTS
2	6/29/23	RESPONSE TO CITY COMMENTS

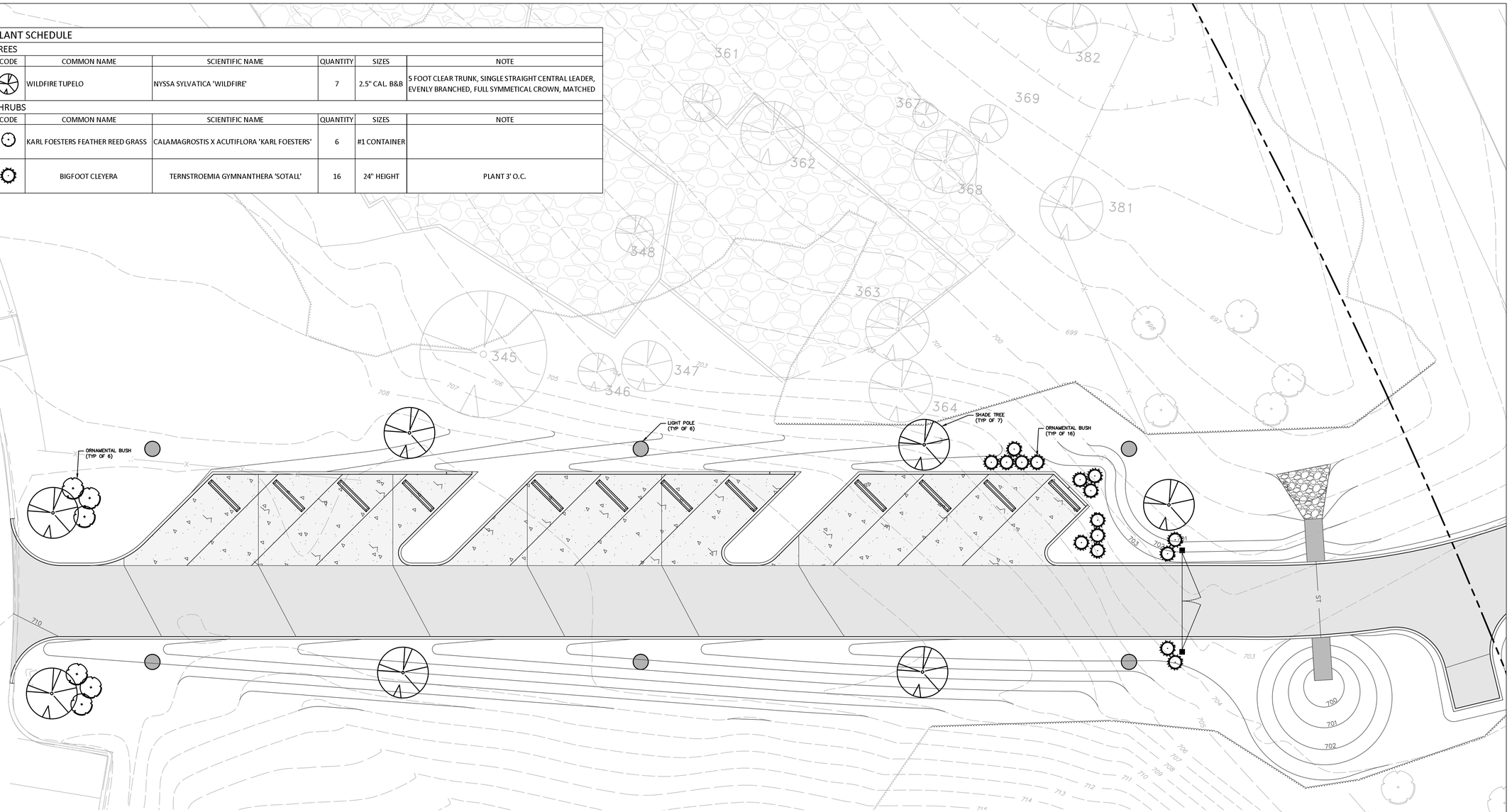
DRAWING NAME:

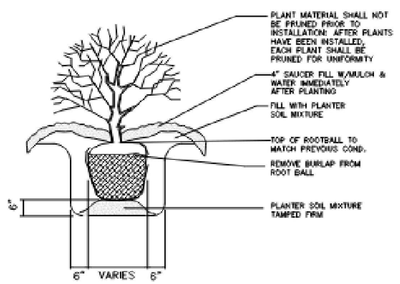
EROSION & SEDIMENT CONTROL DETAILS

DRAWING NUMBER:

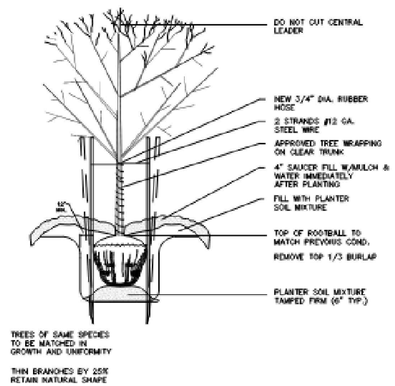
C10.50

PLANT SCHEDULE					
TREES					
CODE	COMMON NAME	SCIENTIFIC NAME	QUANTITY	SIZES	NOTE
	WILDFIRE TUPELO	NYSSA SYLVATICA 'WILDFIRE'	7	2.5" CAL. B&B	5 FOOT CLEAR TRUNK, SINGLE STRAIGHT CENTRAL LEADER, EVENLY BRANCHED, FULL SYMMETICAL CROWN, MATCHED
SHRUBS					
CODE	COMMON NAME	SCIENTIFIC NAME	QUANTITY	SIZES	NOTE
	KARL FOESTERS FEATHER REED GRASS	CALAMAGROSTIS X ACUTIFLORA 'KARL FOESTERS'	6	#1 CONTAINER	
	BIGFOOT CLEYERA	TERNSTROEMIA GYMNANTHERA 'SOTALL'	16	24" HEIGHT	PLANT 3' O.C.





SHRUB PLANTING DETAIL
NOT TO SCALE



TREE PLANTING DETAIL
NOT TO SCALE

Tennessee811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG

COLLECTED
CIVIL ENGINEERING
921B Woodland Street Nashville, TN 37206

PETER ROMANO JR. REGISTERED ENGINEER AGRICULTURE CIVIL No. 113241 STATE OF TENNESSEE
6/29/23

FRANKLIN ROAD ACADEMY
HARDING PLACE CONNECTOR
4700 FRANKLIN PIKE
NASHVILLE, TN 37220

ISSUED FOR:
LAND DISTURBANCE PERMIT

PROJECT NUMBER:	DATE:
23005.01	6/21/23
DRAWN BY: PM	REVIEWED BY: PR
NORTH ARROW: N	SCALE: 1" = 10' (0, 10)

0 1 2
ORIGINAL SCALE IN INCHES

REVISIONS		
NO:	DATE:	DESCRIPTION:
1	6/29/23	RESPONSE TO CITY COMMENTS

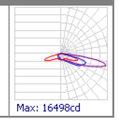
DRAWING NAME:

LANDSCAPE PLAN

DRAWING NUMBER:

L1.00

Schedule

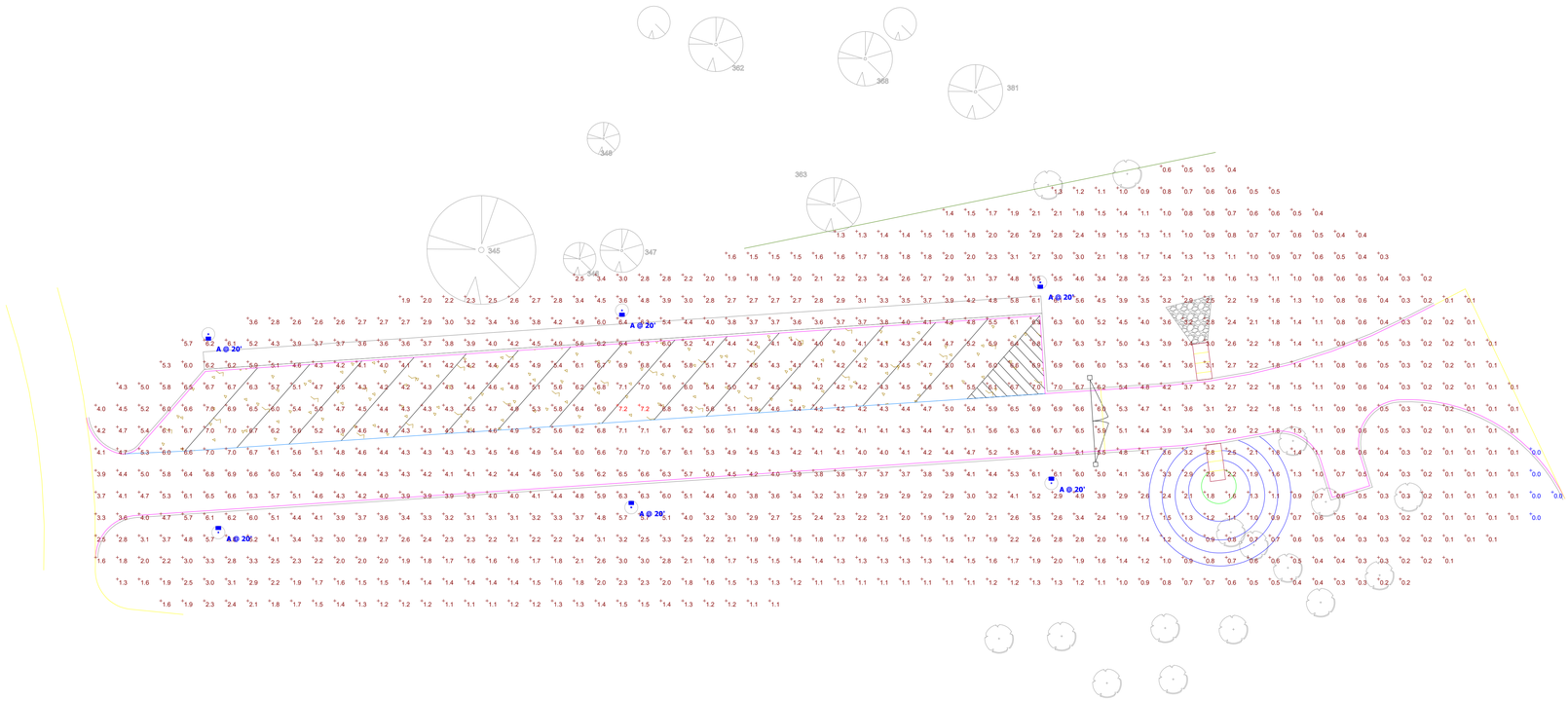
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power	Polar Plot
	A		6	Lithonia Lighting	DSX0 LED P7 40K 70CRI T4M	D-Series Size 0 Area Luminaire P7 Performance Package 4000K CCT 70 CRI Type 4 Medium	20622	0.86	170.81	 Max: 16498cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Connector	+	3.1 fc	7.2 fc	0.0 fc	N/A	N/A

Notes

1. Calculations zones: Grade floor level.
2. Mounting heights noted on plan.



Plan View
Scale - 1" = 16ft

DESIGNER'S NOTE:
THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IESNA) APPROVED METHODS. ADDITIONALLY, THE PREPARER USED INFORMATION PROVIDED BY THE CUSTOMER. IF/WHEN SUFFICIENT INFORMATION WAS NOT PROVIDED, PREPARER USED EDUCATED ASSUMPTIONS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIR(S) MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER FIELD CONDITIONS NOT ACCOUNTED FOR IN THIS PHOTOMETRIC ANALYSIS.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND RELEVANT LIGHTING QUALITY COMPLIANCE.

DESIGNLIGHT

FRA HARDING PLACE CONNECTOR LIGHTING LEVELS

Designer
DESIGN LIGHT
Date
06/27/2023
Scale
Noted
Drawing No.
LP-1.1
Summary
REV1