MULTIMODAL ACCESS CLOSURE EXCEPTION APPLICATION FORM AND CHECKLIST

Submittal Date: 3/7/2024	New Submittal X Re-Submittal No:			
Related Building Permit No: 2021031341(Grading Permit)				
Project Name: Reservoir Zone 7				
Street Name Location: Hillside Ave and 10 th A	Ave S			
Between: Argyle Ave W	_And: <u>Reservoir Ct.</u>			
Applicant Name: Jeremy Moody				
Address: 8401 Covington Rd, College Grove,	TN 37046			
Phone: <u>615-368-2600</u> Fax:	Contact: Jeremy Moody			
Email: <u>Jmoody@humerickinc.com</u>				
Project Description: <u>Residential development i</u>	ncluding single family homes and townhomes.			
Start Date: 3/15/2024 End Date: 7/19/	2024 Project Length: <u>18 weeks</u>			
Describe Type of Closure: Multiple long-term	sidewalk closures and a partial lane closure.			
Dannad Work Hours: Zam Enm				
Plainieu work hours. <u>Zain-Spin</u>				
Planned Working Days: Monday thru Saturday excluding major Holidays.				
Construction Equipment:				
Heavy equipment will be used to complete th	is work in a timely manner. This includes			
excavators, bulldozers, rollers, skid loaders, a	nd a concrete pump.			

Provide Reasons why Project cannot be completed without closures and what other options were considered (attach documents as needed): <u>The sidewalk closure on</u> <u>Hillside Ave will have to be done to install retaining walls and new sidewalks. We will</u> <u>have to remove sidewalks so the footing for the wall can be installed, and the sidewalk</u> <u>will tie-in to the wall once it is finished.</u>

We will have another two small sidewalk closures at the ends of the new public alley on the south side of the site. For these closures, the sidewalks will become crosswalks at each end of the alley.

On the north end of the site, we will have another two closures. Summit Ave will be extended across to Hillside Ave. The sidewalks on each end of what will become Summit Ave will be crosswalks.

We will be trying to keep sidewalks open as much as possible. However, for the alleys to be constructed the sidewalks will have to be closed and removed.

Construction Phasing:

<u>Construction will be done in two overlapping phases. The first will be done on the east</u> <u>side of the site. This includes the sidewalk along Hillside Ave as well as the excavation and</u> <u>pavement of the crosswalks for the new alleyways. This will take place in the first 60 days.</u> <u>During this time, construction traffic will ingress and egress from 10th Ave S as to prevent</u> <u>interaction between pedestrians and construction traffic.</u>

<u>The second phase will start once the impacted area in phase 1 can be reopened. This</u> <u>closure will impact the west side of the site. This includes the replacement of the sidewalk</u> <u>along 10th Ave S and the installation of the crosswalks on the west end of the new alleys.</u> <u>During this time, construction traffic will ingress and egress from Hillside Ave.</u> We feel this is the safest, most effective way to construct the site. Utilities:

No utility work will require a long-term closure. However, utility connections and mains are provided in the construction plans.

Affected People:

Our proposed closures will not directly affect any resident, business, agency, or school. There are no driveways, public alleys, roads, or paths to existing buildings that will be blocked by our closures in either phase.

Nearby ongoing projects:

There are two other projects currently taking place on Hillside Ave. We don't foresee any conflicts with these projects as our sites do not share boundaries. Construction traffic for the nearby projects will have free flow on existing public roadways. If we happen to have a conflict with these projects, we will use our contacts with the construction companies performing these projects to solve and settle any issues in a quick manner.

Work vehicle parking:

Work vehicles will be parking on-site, out of public ROW. This includes our employees, subcontractor employees, dump trucks, concrete trucks, and concrete pumps.

Traffic control plans:

<u>Traffic control plans by T- Square Engineering to utilize water filled barricades placed 5ft</u> <u>apart to create a path for pedestrians to walk in the roadway. We will have ramps at each</u> <u>end of the path for safe and easy return to existing sidewalks. Other details will be shown in</u> <u>TCP plans.</u>

PROJECT INFORMATION CHECKLIST:

Included Not Applicable

✓		Project Vicinity Map with Project Area shown, street names, property information, existing pavement and striping, gutter and building locations, north arrow, and scale.
		Planned work hours included.
		Exact location and dimensions of the construction work zone shown.
		If multiple phases are necessary, include perimeter impact of each phase, phase number, anticipated work hours and phase duration.
		Details on construction activity and equipment being used as part of construction included for each phase.
	\checkmark	Specify if any on-street parking, and/or metered parking, is to be restricted and if bus zone will need to be relocated.
		Specify if trash pickup will be impacted.
		Provide information on all utility work and utility connections.
		List all affected residents, businesses, agencies, and schools and any conversations/agreements taken place.
		Show ongoing construction projects within vicinity of proposed project impact.
		Provide plan to address conflicts with other nearby projects.
		Provide traffic control plan for each phase of construction (see traffic control checklist for more information).
		Provide information on work vehicle parking locations.
		Show construction trucks ingress/egress to project location.
		Provide information on any traffic signals, traffic signal loops, and traffic signal cabinets in close proximity to project.

TRAFFIC CONTROL PLAN CHECKLIST:

Included Not Applicable

¥	All temporary traffic control plans shall be designed in accordance with the most recent ADA regulations and requirements of the Manual of Uniform Traffic Control Devices.
\checkmark	Clearly show the locations of all existing signs (including speed limit) as well as the proposed signs for each construction phase.
	Show the location of all existing pedestrian paths and pedestrian detour route of each stage of construction.
	Show dimensions of travel lane width, shoulder width, sidewalk of each phase, and overall roadway width along the length of affected area.
	Show all existing striping and markings to remain, to be removed, and all proposed striping and markings for each construction stage.
	Provide detour plan clearly showing detour route for any roadway or pedestrian/bike path closures.
	Specify placement of all temporary traffic control devices.
	Specify spacing of all temporary traffic control devices.
	Show all existing traffic signals and streetlights in the work zone location.
	Lighting provided for all pedestrian detour routes.
	Provide minimum eleven (11) foot travel lanes at all times.
\checkmark	Show size, height, and location of all channelizing devices, warning lights, flag trees, barriers, etc.
	Label all taper lengths and widths.
\checkmark	Provide locations of police officers for each phase as needed.
\checkmark	Temporary Traffic Control Plan has been stamped and signed by a TN licensed Civil Engineer.







SINGLE FAMILY **RESERVOIR ZONE 7** 1501 HILLSIDE AVENUE NASHVILLE, TENNESSEE

SITE DATA TABLE			
SITE ADDRESS	1501 HILLSIDE AVENUE NASHVILLE, TENNESSEE, 37203		
ΤΑΧ ΜΑΡ	MAP 105-05 PARCEL 355-00		
OVERALL AREA	EXISTING	PROPOSED	
SITE AREA	2.21 AC	2.08 AC	
DISTURBED AREA	N/A	2.86 AC	
DEDICATED R.O.W. AREA	N/A	0.13 AC	
IMPERVIOUS AREA	0.97 AC	1.30 AC	
PERVIOUS AREA	1.24 AC	0.78 AC	
I.S.R.	0.43	0.62	
BUILDING DATA	REQUIRED	PROVIDED	
UNIT DENSITY	15.4 DUA		
TOTAL UNITS	32 UNITS		
TOTAL FLOOR AREA (LOTS 1-9)	41,409 SF		
TOTAL FLOOR AREA (LOTS 10-18)	49,500 SF		
TOTAL FLOOR AREA (TH 1-3 & 8-11)	23,184 SF		
TOTAL FLOOR AREA (TH 4-7 & 12-14)	26,005 SF		
F.A.R.	1.55		
BUILDING SETBACKS	REQUIRED	PROVIDED	
FRONT: BUILD TO	20 FT	20 FT	
REAR:	15 FT	15 FT	
SIDE:	5 FT	5 FT	
SIDE:	5 FT	5 FT	
PARKING	REQUIRED	PROVIDED	
STANDARD SPACES (GARAGE)	64	64	
STANDARD SPACES (STREET)			
BICYCLE PARKING	3 4		

EXISTING PROP	ERTY SUMMARY
PROPERTY ADDRESS:	1501 HILLSIDE AVENUE NASHVILLE, TENNESSEE
MAP AND PARCEL ID:	MAP 105-05, PARCEL 355-00
U.S. FEMA FIRM PANEL:	47037C0243H DATED 4/5/20
EXISTING ZONING: EXISTING LAND USE:	SP (2018SP-026-006) RESIDENTIAL

METRO PERMIT	TING REFERENCE
BUILDING PERMIT:	T2021056442
GRADING PERMIT:	SWGR 2021031341
WATER PERMIT:	21WL0082
SEWER PERMIT:	21SL0195
CASE NUMBER:	2018SP-026-006
TDEC NOI/NOC:	TNR245371

- THE PURPOSE OF THIS FINAL SITE PLAN IS TO PERMIT THE DEVELOPMENT OF ZONE 7 WHICH INCLUDES 32 RESIDENTIAL UNITS.
- 2. THE OVERALL SP PERMITS A MAXIMUM OF 1,200 RESIDENTIAL UNITS. AFTER COMPLETION OF ZONE 7, A TOTAL OF 878 RESIDENTIAL UNITS REMAIN FOR DEVELOPMENT. . THE FINAL SITE PLAN / BUILDING PERMIT SITE PLAN SHALL DEPICT THE REQUIRED PUBLIC SIDEWALKS, ANY REQUIRED
- GRASS STRIP OR FRONTAGE ZONE AND THE LOCATION OF ALL EXISTING AND PROPOSED VERTICAL OBSTRUCTIONS WITHIN THE REQUIRED SIDEWALK AND GRASS STRIP OR FRONTAGE ZONE. PRIOR TO ISSUANCE OF USE AND OCCUPANCY PERMITS. EXISTING VERTICAL OBSTRUCTIONS SHALL BE RELOCATED
- OUTSIDE OF THE REQUIRED SIDEWALK, VERTICAL OBSTRUCTIONS ARE ONLY PERMITTED WITHIN THE REQUIRED GRASS STRIP OR FRONTAGE ZONE.

GENERAL DEVELOPMENT NOTES

- ALL DEVELOPMENT WITHIN THE BOUNDARIES OF THIS PLAN MEETS THE REQUIREMENTS OF ANSI 117.1, 2009 EDITION AND THE FAIR HOUSING ACT.
- U.S. Justice Department: http://www.justice.gov/crt/housinig/fairhousing/about_fairhousingact.htm
- 8. PART OF THE SUBJECT PROPERTY IS LOCATED IN AREAS DESIGNATED AS "ZONE AE" (AREAS DETERMINED TO BE OUTSIDE THE 0.2 % ANNUAL CHANCE FLOODPLAIN) AS NOTED ON THE CURRENT FEMA FIRM COMMUNITY PANEL 47037C0243H.
- ANY EXCAVATION, FILL, OR DISTURBANCE OF THE EXISTING GROUND ELEVATION MUST BE DONE IN ACCORDANCE WITH STORM WATER MANAGEMENT ORDINANCE NO. 78/840 AND APPROVED BY THE METROPOLITAN DEPARTMENT OF WATER SERVICES.
- METRO WATER SERVICES SHALL BE PROVIDED SUFFICIENT AND UNENCUMBERED ACCESS IN ORDER TO MAINTAIN AND REPAIR UTILITIES IN THIS SITE.



Call before you dig.

TDEC NOTICE OF COVERAGE NOTE: THE PROJECT ASSOCIATED WITH THESE SUBMITTED PLANS IS COVERED UNDER TENNESSEE CONSTRUCTION GENERAL PERMIT TNR245370. THE TOTAL DISTURBED AREA IS 2.86 ACRES. THIS SITE DOES NOT DISCHARGE INTO WATERS IDENTIFIED BY TDEC AS IMPARIED OR EXCEPTIONAL 1 Fart JULY 26, 2022 SIGNATURE DATE CIRCLE ONE: DEVELOPER | PROJECT ENGINEER | OTHER: PLEASE ATTACH A COPY OF THE NOTICE OF COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT.

BUILDING DEPT.

METRO NASHVILLE CODES WADE HILL 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-6520

FINAL SP REVISION SUBMITTAL: 7/27/2022





	SHEET INDEX
SHEET NUMBER	SHEET TITLE
C0-00	COVER
C0-01	GENERAL NOTES
C1-00	EXISTING CONDITIONS (1 OF 2)
C1-01	EXISTING CONDITIONS (2 OF 2)
C1-10	DEMOLITION PLAN
C2-00	SITE LAYOUT - OVERALL
C2-20	10TH AVENUE - BICYCLE STRIPING PLAN
C2-50	FIRE ACCESS PLAN
C3-10	EROSION CONTROL PLAN - PHASE 1
C3-20	EROSION CONTROL PLAN - PHASE 2
C3-30	EROSION CONTROL PLAN - PHASE 3
C3-50	EROSION CONTROL DETAILS
C4-00	GRADING AND DRAINAGE PLAN - OVERALL
C4-10	HILLSIDE AVE RETAINING WALL ENLARGEMENT
C4-50	PUBLIC STORM PLAN AND PROFILE
C5-00	ROADWAY PLAN AND PROFILE
C6-00	UTILITY PLAN - OVERALL
C6-01	OFFSITE PUBLIC WATER PLAN
C7-00	SANITARY SEWER PLAN - OVERALL
C8-10	SITE DETAILS
C8-11	SITE DETAILS
C8-20	UTILITY DETAILS
C8-21	UTILITY DETAILS
L1-00	LANDSCAPE PLAN
L1-50	LANDSCAPE NOTES
L1-51	LANDSCAPE DETAILS

COUNCIL DISTRICT 17 COUNCIL MEMBER COLBY SLEDGE **CITY OF NASHVILLE DAVIDSON COUNTY, TENNESSEE**

PROJECT DESIGN TEAM

CIVIL ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC. 214 OCEANSIDE DRIVE NASHVILLE, TENNESSEE 37204 PHONE: (615) 564-2701 CONTACT: BRENDAN BOLES, P.E. PHILIP NEAL, P.E.

SURVEY CHERRY LAND SURVEYING 511 UNION STREET NASHVILLE, TN 37219 PHONE: (615) 770-8100 CONTACT: KENNETH D. CHURCH, PLS

PERMITTING / UTILITY CONTACTS

STORMWATER

METRO WATER SERVICES STEVE MISHU 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 880-2259

TDOT

TENNESSEE DEPARTMENT OF TRANSPORTATION PHIL TRAMMELL REGION 3 TRAFFIC ENGINEER 660 CENTENNIAL BLVD NASHVILLE, TN 37243 PHONE: (615) 350-4300

WATER

METRO WATER SERVICES CHRISTIAN THOMPSON 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-4572

NATURAL GAS

PIEDMONT NATURAL GAS CRAIG OWEN 83 CENTURY BOULEVARD NASHVILLE, TENNESSEE 37214 PHONE: 615-872-8034

SANITARY SEWER

METRO WATER SERVICES CHRISTIAN THOMPSON 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-4572

TELEPHONE

AT&T LOGAN EAKES 6405 CENTENNIAL BOULEVARD NASHVILLE, TENNESSEE 37209 PHONE: 615-350-9375

ZONING

METRO NASHVILLE ZONING BILL HERBERT 800 SECOND AVE. SOUTH NASHVILLE ,TN 37210 PHONE: (615) 862-6608

ELECTRIC

NASHVILLE ELECTRIC SERVICE COMCAST JOE VALLELY 1214 CHURCH STREET NASHVILLE, TN 37246 PHONE: (615) 747-3688

FIRE CHIEF

METRO NASHVILLE FIRE MARSHAL JOE ALMON 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-5248

CABLE

KEVIN VIA 660 MAINSTREAM DRIVE NASHVILLE, TENNESSEE 37228 PHONE: 615-405-5563

Nashville Department of Transportation And Mobility Infrastructure **EXCEPTION TAKEN AS NOTED**

This review does not relieve the applicant (s) from compliance with the rules, regulations, and specifications of this department and othe governmental agencies. This check is only for genera conformance with the requirements of the Nashville Department of Transportation. Christopher Gregory 06/20/2023

Date

Road plans on file w/ NDOT Engineering, Reservoir Zone 7 Final SP, 2018SP-026-003

INSPECTIONS REQUIRED

Proof-rolling of street subgrades and concrete ran forms inspection by the NDOT Inspector are required prior to placing stone or pouring concrete, 24 hour dvance notice required CALL 615-862-8782

ADA COMPLIANCE REQUIRED

l activities shall be in compliance with t requirements of The Americans with Disabilities Act (ADA) in effect at the time in which th activities are performed.

OWNER / DEVELOPER

PARK AT HILLSIDE, LLC. 118 16TH AVENUE SOUTH NASHVILLE, TENNESSEE, 37203 PHONE: 615-490-6700 CONTACT: BEN BREWER

PLANS PREPARED BY

Kimley»Horn

10 Lea Avenue, Suite 400, Nashville, TN 37210 Main: 615.564.2701 | www.kimley-horn.com © 2022 Kimley-Horn and Associates, Inc.

	PLAN REVISIONS				
	REVISION NO.	DATE		REMARKS	
ENGINEER'S SEAL					
HT DERED ENG O					
OF TENNES	FILE NUMBER		SHEET NUMBER	TOTAL SHEETS	
	118129070		C0-00	26	

URBAN FORESTER METRO NASHVILLE STEPHAN KIVETT 800 SECOND AVE. SOUTH

NASHVILLE, TN 37210 PHONE: (615) 862-6488

PRIOF	TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR:	1	NOTIFICATIONS.
A.	THE CONTRACTOR SHALL VERIFY ALL PROPOSED AND EXISTING CONDITIONS INCLUDING UTILITIES (INVERTS, CONNECTIONS, MATERIALS, ETC.) AND DIMENSIONS WITHIN THE LIMITS OF WORK PRIOR TO THE START OF CONSTRUCTION.	ι.	THE CONTRACTOR SHALL NOTIFY DEMOLITION OR CONSTRUCTION.
В.	REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED BUILDING INFORMATION.	2.	DISPOSAL GUIDELINES:
C.	THE CONTRACTOR IS RESPONSIBLE FOR ALL NOTIFICATIONS AND LIAISONS WITH UTILITY COMPANIES DURING THE PROCESS OF LOCATING, RELOCATING, AND TYING INTO PUBLIC UTILITIES.		A. ONLY ITEMS SPECIFICALLY I
D.	PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.		B. REMOVE EXISTING PAVED A SERVICE AREAS, EQUIPMEN
	THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.		C. ALL DEBRIS RESULTING FRO OF LEGALLY BY THE CONTR BACKFILL ALL TRENCHES AN
DURII	IG CONSTRUCTION:		D. ALL DEMOLISHED MATERIAL NOTED.
A.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.	3.	TREE PROTECTION GUIDELINES:
B.	THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS. WHERE A CONFLICT OCCURS, THE STRICTEST DESIGN SHALL GOVERN. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE SPECIFIC DEVIATION.	4.	PROTECT ALL EXISTING TREES NO DURING DEMOLITION. TAKE ALL N ITEMS TO BE TURNED OVER TO TH AT NO ADDITIONAL COST TO THE REIMBURSED AT A RATE TO BE DE
C.	IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.		A. PRIOR TO REMOVING OR AB UPSTREAM SERVICE WILL B
D.	ALL CONSTRUCTION MUST CONFORM TO THE STANDARDS, SPECIFICATIONS, AND CODES OF THE GOVERNING MUNICIPALITIES.		WRITING OF ANY TERMINATB. ALL ABANDONED WATER LIN
E.	CONSTRUCTION SHALL MEET ALL CURRENT STANDARDS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT.		OTHER ABANDONED UNDER OTHERWISE.
F.	IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.	SI ¹	TE INFORMATION:
G.	SUFFICIENT BARRICADES, LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS IN ACCORDANCE WITH GOVERNING ORDINANCES MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE		A. WHERE A DETAIL SECTION, T APPLY FOR ALL LIKE OP SIM
	PUBLIC. SAID CONTROL DEVICES SHALL BE PER THE MANUAL OF TRAFFIC CONTROL DEVICES, M.U.T.C.D., CURRENT EDITION, AND SHALL BE PROVIDED AND MAINTAINED THROUGHOUT		B. EXISTING AND PROPOSED C
H.	CONSTRUCTION.		C. ALL DIMENSIONS ARE TO FA
	COMMENCEMENT OF ANY WORK ON CITY, COUNTY, OR TENNESSEE DEPARTMENT OF TRANSPORTATION ROADS. THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL WORK.		D. ALL PIPE LENGTHS SPECIFIE REFERENE ONLY. IT IS THE BASED ON PROPOSED PIPE
	ALL WARNING DEVICES SHALL BE EITHER TYPE I BARRICADES OR DRUMS WITH WARNING LIGHTS ON EVERY OTHER DEVICE. THEY SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND METRO NASHVILLE STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.		E. PIPE LENGTHS IN PLANS ARE UNLESS OTHERWISE NOTED
J.	FIRE DEPARTMENT ACCESS SHALL BE MAINTAINED AT ALL TIMES.	ER	USION AND SEDIME
K.	CONTRACTOR SHALL SHORE AND BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, THERMAL, CONSTRUCTION, AND MISCELLANEOUS LOADS DURING CONSTRUCTION.	1.	COMPREHENSIVE: A. THE ESCAPE OF SEDIMENT F AND SEDIMENT CONTROL MI
L.	ON-SITE BURIAL OF DEBRIS IS PROHIBITED.		LAND-DISTURBING ACTIVITIE
M.	UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS TO THE ENGINEER. DESIGN DOCUMENTS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS.		CONFORMANCE WITH THE R HANDBOOKS. IF FULL IMPLE EROSION CONTROL, ADDITIC
N.	IN CASE OF UNFORESEEN CONSTRUCTION COMPLICATIONS OR DISCREPANCIES, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.		C. FAILURE TO INSTALL, OPERA
). ¬	ALL REQUIRED TESTING REPORTS SHALL BE AVAILABLE AT THE JOB SITE.		THE STANDARDS SPECIFIED CURRENT EDITION.
r.	AS-BUILT DRAWINGS OF ROADWAYS, STORM DRAINS, SANTIARY SEWER AND WATER LINES, FIELD APPROVAL BY THE ENGINEER, AND ALL APPLICABLE BONDS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE OWNER.		D. EROSION CONTROL MEASUR APPROVED PLAN DOES NOT SEDIMENT CONTROL MEASU
Q.	THE CONTRACTOR SHALL VERIEV EVICTIVE CONTINUES OF THE CONTRACTOR SHALL WAINTAIN CONTINUOUS UTILITY SERVICE TO ALL EXISTING BUILDINGS THROUGHOUT CONSTRUCTION UNLESS APPROVAL FOR SERVICE INTERRUPTION IS OBTAINED FROM THE OWNERS IN ADVANCE.		SOURCE. E. EROSION CONTROL DEVICES SOME OF THE EROSION CON
К.	THE CONTRACTOR SHALL VERIEY EXISTING CONDITIONS TO ENSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.		APPROVED PLANS IF DRAINA PROPOSED DRAINAGE PATT EROSION CONTROL FOR ALL CONSTRUCTION. ANY DIFFIC SHALL BE REPORTED TO TH
S.	ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.		F. THE CONSTRUCTION OF THE MEASURES SUFFICIENT TO C WILL BE MAINTAINED UNTIL / COMPLETELY STABILIZED W
Τ.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.		G. CONSTRUCTION EXITS SHAL AND SHALL BE MAINTAINED PUBLIC RIGHTS OF WAY, TH
J.	THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS, ETC.		DEMAND, REPAIR, AND/OR C SPILLED, DROPPED, WASHEI MUST BE REMOVED IMMEDIA
V.	THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER. THE CONTRACTOR WILL INDEMNIFY THE OWNER & OWNER'S REPRESENTATIVE FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.	AC	DA COMPLIANCE:
W.	THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, BLASTING, PUBLIC INERASTRUCTURE, STORMWATER RECUMATIONS, 5TC		A. CURB RAMPS ALONG PUBLIC ON THE CITY STANDARD COIB. PRIVATE CURB RAMPS ON THE
ζ.	THE CONTRACTOR IS TO CHECK AND VERIFY ALL MEASUREMENTS, LEVELS, ETC. BEFORE ORDERING		STANDARDS AND SHALL HAN THE CURB RAMP, NOT INCLU
Y.	REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE		C. ALL ACCESSIBLE ROUTES, G PAVEMENT MARKINGS SHAL
Z.	COST OF REPLACING SAME. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY		D. ANY COMPONENTS OF THE F MORE UNITS PER DWELLING THE FAIR HOUSING ACT DES
	DAMAGES TO SUCH PROPERTY.		E. BEFORE PLACING PAVEMENT ROUTES (PER ADA AND FHA) PARKING SPACES, ACCESS A SLOPE EXCEED 1 VERTICAL PERCENT. IN NO CASE SHALL SPACES AND ACCESS AISLE
			F. CONTRACTOR SHALL TAKE F PRIOR TO PLACING PAVEMEN

ATION:

CONCRETE INFORMATION (SITE WORK ONLY):

1. PRODUCT CRITERIA:

- A. UNLESS OTHERWISE NOTED CEMENT SHALL BE TYPE I OR III CONFORMING C150. AGGREGATES SHALL BE NORMAL WEIGHT CONFORMING TO ASTM C3
- CONCRETE SHALL CONFORM TO ACI BUILDING CODE (318-89). UNLESS NOT CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A 28 DAY COMPRESSIVE OF 3,500 P.S.I.
- C. SLUMP SHALL BE 3" TO 5" FOR REGULAR MIX. LARGER SLUMP SHALL BE PEI WITH WATER REDUCING ADMIXTURES AND WRITTEN CONSENT OF THE ENG
- D. THE RELATIONSHIP BETWEEN MAXIMUM AGGREGATE SIZE TO MINIMUM AMO CEMENT IN CONCRETE PAVEMENT (LB. PER C.Y. OR MIX) SHALL BE AS FOLL 3/4" - 540, 1/2" - 590, 3/8" - 610.
- 2. CURING CRITERIA:
 - A. CONCRETE CURING SHALL COMPLY WITH ACI 308. CURING PROCESS SHAL IMMEDIATELY FOLLOWING INITIAL SET. CURING SHALL BE BY CURING COMF
 - B. CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR-ENTRAINED IN ACCO WITH ACI 318-89 TABLE 4.1.1. NORMAL WEIGHT CONCRETE SLABS SHALL HA CONTENT IN ACCORDANCE WITH ACI 302.IR-89 TABLE 5.2.7A.
 - HOT WEATHER CONCRETING SHALL COMPLY WITH ACI 305. NO CONCRETE C. DEGREES FAHRENHEIT SHALL BE POURED. LOWER CONCRETE TEMPERATI COOLING WATER AND AGGREGATE. FORMS, STEEL, AND SUBGRADE SHALL SPRINKLED WITH COLD WATER. AFTER FINISHING CONCRETE USE LIGHT FO UNTIL CURING COMPOUND IS USED.
 - COLD WEATHER CONCRETING SHALL COMPLY WITH ACI 306. SPECIAL MATE D. PROCEDURES SHALL BE PROVIDED DURING PLACING AND CURING OF CON-**BELOW 40 DEGREES FAHRENHEIT.**
 - E. E. CURING, HOT, AND COLD WEATHER CONCRETING PROCEDURES ARE AS A GUIDE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT CONC DAMAGE AND CRACKS. DAMAGED OR CRACKED CONCRETE WILL NOT BE A

REINFORCING STEEL INFORMATION (SITE WORK

- 1. PRODUCT CRITERIA:
 - REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60 AND GRAI Α. AND SMALLER BARS. MINIMUM LAP 48" DIAMETER.
 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, MINIMUM LAP SHA В.
- C. REINFORCING THAT IS WELDED SHALL BE WELDABLE TYPE AND CONFORM A-706.

PAVEMENT INFORMATION:

- 1. PAVEMENT
 - ALL MATERIALS, EQUIPMENT, METHODS OF CONSTRUCTION, AND WORKMAI Α. CONFORM TO THE TENNESSEE DEPARTMENT OF TRANSPORTATION, TDOT, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITIC
 - SEE PAVEMENT DETAILS ON CONSTRUCTION DOCUMENTS FOR SPECIFIC DE INFORMATION AND REQUIREMENTS.
 - C. ALL CURB AND GUTTER TO BE 24" AND CONSTRUCTED OF 3000 P.S.I. CONCF OTHERWISE NOTED.
- 2. SIGNING AND STRIPING:
 - A. SIGNING AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING DRAWINGS AND SPECIFICATIONS.
 - ALL PAVEMENT MARKINGS SHALL CONFORM TO CURRENT MUTCD STANDAF B. PAVEMENT MARKINGS ON PRIVATE PROPERTY SHALL BE PAINT, UNLESS NO OTHERWISE. ALL PAVEMENT MARKINGS ON PUBLIC RIGHT-OF-WAY SHALL B THERMOPLASTIC, UNLESS NOTED OTHERWISE.

STORM SEWER NOTES:

- 1. REINFORCED CONCRETE PIPE SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED BELL-AND-SPIGOT AND GASKETED JOINTS WITH ASTM C 443 RUBBER GASKETS.
- 2. FILL HEIGHTS OVER 13' REQUIRE CLASS IV RCP STORM PIPE.
- 3. STORM INLETS SHALL BE PRECAST IN ACCORDANCE WITH METRO NASHVILLE PUBL SPECIFICATIONS WHICH MEET OR EXCEED ASTM C 478.
- 4. ALL MANHOLE FRAMES AND COVERS ARE TO BE PER METRO NASHVILLE PUBLIC W STANDARD DETAIL FOR DIMENSIONS AND MATERIALS AND AS BELOW IF NOT OTHE INDICATED. FERROUS; 24-INCH (610-MM) ID BY 7- TO 9-INCH (175- TO 225-MM) RISER (102-MM-) MINIMUM WIDTH FLANGE AND 26-INCH- (660-MM-) DIAMETER COVER. INCL INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQU "STORM SEWER."
- 5. MATERIAL: GRAY IRON ASTM A48 CLASS 30 UNLESS OTHERWISE INDICATED.
- 6. ALL HDPE PIPE SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE SMOOTH IN HDPE PIPE SHALL CONFORM TO ASTM D3350 WITH SOIL TIGHT JOINTS.
- 7. ALL HDPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SECTION 30.
- 8. CONTRACTOR TO PROVIDE AND INSTALL MANUFACTURER RECOMMENDED FITTING CONNECTIONS TO HDPE STRUCTURES.
- 9. REFER TO PIPE CHART FOR CASTING TYPES. INSTALL REDUCERS AS NECESSARY I MANUFACTURER'S SPECIFICATIONS TO ACCOMMODATE LARGER INLET SIZES.
- 10. FOLLOW CONSTRUCTION PLANS AND MANUFACTURER DETAILS, SPECIFICATIONS, INSTALLATION INSTRUCTION AS INCLUDED WITHIN THE PLANS AND PROVIDED BY MANUFACTURER FOR THE INSTALLATION OF WATER QUALITY AND DETENTION SYS
- 11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM SEWER PIPE, STR WATER QUALITY STRUCTURES, AND DETENTION STRUCTURES FOR ENGINEER AND APPROVAL PRIOR TO ORDERING MATERIALS.

THE OWNER AND CITY INSPECTOR(S) 24 HOURS PRIOR TO ANY

- NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE.
- REAS AS SHOWN INCLUDING DRIVEWAYS, SIDEWALKS, PARKING AREAS, IT PADS, AND ALL MISCELLANEOUS PAVING.
- DM DEMOLITION SHALL BE REMOVED FROM THE SITE AND DISPOSED ACTOR IN ACCORDANCE WITH LOCAL STATE AND FEDERAL REGULATIONS. ND EXCAVATIONS RESULTING FROM DEMOLITION.
- BECOMES THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE

OTED "TO REMAIN" AND ALL ITEMS TO BE TURNED OVER TO THE OWNER IECESSARY PRECAUTIONS AND PROTECTIVE MEASURES. ANY EXISTING HE OWNER WHICH ARE DAMAGED DURING DEMOLITION SHALL BE REPAIRED OWNER. TREES WHICH ARE DAMAGED WILL BE REPLACED OR ETERMINED BY THE OWNER.

ANDONING ANY UTILITY THE CONTRACTOR SHALL VERIFY THAT NO E TERMINATED. THE CONTRACTOR SHALL INFORM THE ENGINEER IN ION NOT SHOWN ON THE PLANS.

NES, STORM SEWER PIPE, SANITARY SEWER PIPES, GAS LINES, OR ANY GROUND UTILITY SHALL BE ABANDONED IN PLACE UNLESS NOTED

TO ALL CIVIL DOCUMENTS:

TYPICAL SECTION, OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL ILAR CONDITIONS, UNLESS OTHERWISE NOTED ON THE PLANS.

ONTOURS ARE AT ONE (1) FOOT INTERVALS.

CE OF CURB UNLESS OTHERWISE NOTED.

ED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS SLOPE.

E MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE

INT CONTROL INFORMATION:

FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION EASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH

ROSION OF SOIL FROM THE SITE SHALL BE AT A MINIMUM IN EQUIREMENTS OF THE TENNESSEE EROSION AND SEDIMENT CONTROL MENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE ONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OR TREAT THE SEDIMENT SOURCE.

ATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL PPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOKS.

RES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND JRES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT

S SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. THE LOCATION OF ITROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE AGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL ERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION E ENGINEER IMMEDIATELY.

E SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN ITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN

L BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO IIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE AS CONDITIONS LEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS D, OR TRACKED FROM VEHICLES OFF SITE ONTO PUBLIC RIGHTS-OF-WAY ATELY. ACCESS POINTS PROTECTED WITH A CONSTRUCTION EXIT SHALL BE NTIL THE SITE IS STABILIZED.

C STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED NSTRUCTION DETAILS AND SPECIFICATIONS.

HE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA /E A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF JDING FLARES.

ENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND L CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.

PROJECT SERVING MULTIFAMILY DWELLINGS IN BUILDINGS THAT HAVE 4 OR SHALL ALSO CONFORM TO THE FAIR HOUSING ACT (FHA), AND COMPLY WITH IGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.

T, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 L LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING S SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.

FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS INT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.

CLEARING AND GRUBBING:

	A.	DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.	2
TO ASTM 33.	В.	ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION LINE SHALL NOT BE CROSSED BY HEAVY EQUIPMENT OR USED FOR STORING HEAVY EQUIPMENT OR MATERIALS.	
ED STRENGTH	C.	NO EQUIPMENT SHALL BE STORED UNDER THE DRIP LINE OF TREES TO REMAIN.	
RMITTED	D.	DO NOT FALL ANY TREES OR PUSH PILES OF DEBRIS AGAINST ANY TREES TO REMAIN.	
OUNT OF	E.	SITE IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.	
OWS: 1" - 520,	F.	CONTACT ALL UTILITY AUTHORITIES WHO HAVE LINES WITHIN THE CLEARING AND GRUBBING LIMITS BEFORE STARTING WORK	
	E.	ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING.	
POUND. PRDANCE	F.	AFTER STAKING IS COMPLETED, TREES WITHIN GRADING LIMITS TO BE SAVED WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. FIELD CHANGES TO GRADING PLANS SHALL BE MADE FOR SMOOTH TRANSITION OF GRADES AROUND ALL TREES WHICH REQUITE TREE WELLS WITHIN THE GRADING LIMITS	
	G.	ALL CLEARING SHALL BE LIMITED TO AREAS TO BE GRADED WITHIN 15 CALENDAR DAYS.	
URE BY BE			
OG SPRAY	GRAD	ING NOTES:	
	Α.	TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL ROUT AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT THE LOSS OF TOPSOIL MATERIAL.	
RETE CCEPTED.	В.	UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL AND SEEDED.	
ONLY):	C.	FILL AREA SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RE-COMPACTION OF THESE SOILS SHALL BE TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR).	
DE 40 FOR #3	D.	CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUBGRADE IS ACHIEVED IN THE SAME MANNER AS FILLED AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A DEPTH OF 12" AND RE-COMPACTED TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR)	
TO ASTM	E.	ALL GRADING SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK	
	F.	LISTED IN THE BID DOCUMENTS. ELEVATIONS SHOWN ON THE PLANS IS THE FINISH GRADE ELEVATION.	
	G.	GRADING SHALL BE SEQUENCED SO THAT BASE STONE IS PLACED WITHIN 10 CALENDAR DAYS PE ACHIEVING OPTIMUM SUBGRADE COMPACTION	
	H.	SOILS TESTING LABORATORY/ SOILS ENGINEER. CONTRACTOR WILL EMPLOY A	
STANDARD DN.		TESTS AS REQUIRED.	
ESIGN	I.	HAVE EARTH BORROW FILL, AGGREGATE, AND TOPSOIL, AND STRUCTURAL FILL TESTED AND APPROVED BY DESIGNATED TESTING LABORATORY BEFORE MOVING IT TO THE JOB SITE.	
RETE UNLESS G TO THE	J.	CONTRACTOR SHALL OBSERVE PROOF-ROLLING OF AREAS WHERE BUILDING AND PAVING WILL BE LOCATED TO DETERMINE ADEQUACY OF SOIL COMPACTION AND IN-PLACE SOILS. OTHER AREAS WILL BE INSPECTED BY SOILS ENGINEER TO DETERMINE ADEQUACY IN THOSE AREAS. IF SOILS ARE NOT ADEQUATE TO BEAR WEIGHTS THAT WILL BE IMPOSED, TESTING LABORATORY WILL OBSERVE AND REPORT CORRECTIVE ACTION TAKEN.	
RDS. ALL DTED BE	K.	TEST IN-PLACE SOIL AND FILLED AND COMPACTED AREAS. IF THESE ARE NOT ADEQUATE TO BEAR WEIGHTS IMPOSED, TESTING LABORATORY WILL ADVICE THE OWNER'S REPRESENTATIVE OF THEIR RECOMMENDATIONS. HE WILL DIRECT ANY CORRECTIVE MEASURES THAT ARE NECESSARY.	INTERNE F
	L.	SOILS COMPACTION TESTING OF IN-PLACE AND FILLED AND COMPACTED AREAS WILL BE PERFORMED BY TESTING LABORATORY IN ACCORDANCE WITH THEIR REQUIREMENTS.	11111
D WITH	М.	THE SOILS ENGINEER'S AND TESTING LABORATORY'S FEES WILL BE PAID BY THE CONTRACTOR.	
	N.	APPLICABLE SPECIFICATIONS FOR COMPACTED FILL: THE FOLLOWING CURRENT AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) STANDARDS ARE HEREBY MADE PART OF THIS SPECIFICATION:	WIIIIIIIIII
LIC WORKS ORKS RWISE WITH 4-INCH- LUDE IVALENT TO		 D421-58, DRY PREPARATION OF SOIL SAMPLES FOR GRAIN-SIZE ANALYSIS AND DETERMINATION OF SOIL CONSTANTS. D422-63, STANDARD METHOD OF PARTICLE SIZE ANALYSIS OF SOILS. D1140-54, METHOD OF TEST FOR AMOUNT OF MATERIAL IN SOILS FINER THAN NO.200 SIEVE. D698, METHOD FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT D1557-78, STANDARD TEST METHODS FOR MOISTURE-DENSITY RELATIONS OF SOILS AND SOIL-AGGREGATE MIXTURES USING 10 LB. (4.54-KG) RAMMER AND 18-INCH (457 MM) DROP. 	DATE BY
NTERIOR PIPE.	Ο.	PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT ALL LOCATIONS UNLESS OTHERWISE NOTED.	
AASHTO	P.	CONTRACTOR SHALL REVIEW THE SITE SPECIFIC GEOTECHNICAL REPORT PRIOR TO COMMENCING WITH GRADING OPERATIONS. WHERE CONFLICTS BETWEEN THE GRADING NOTES AND GEOTECHNICAL REPORT EXIST. THE MORE STRINGENT REQUIREMENT	EVISION
GS ON RCP	-	SHALL APPLY.	
PER	Q.	CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING WITH LOAD TICKETS, PHOTOGRAPHS, LOG BOOK, VIDEO RECORDING AND OTHER MEANS AS NECESSARY TO VERIFY THE INSTALLATION OF STORMWATER BEST MANAGEMENT PRACTICES REQUIRED BY THE LOCAL MUNICIPALITY AND JURISDICTION. AS-BUILT TOPOGRAPHY AND UTILITY	
AND STEMS		PLANS HAVING BEEN PREPARED BY A QUALIFIED LAND SURVEYOR ARE REQUIRED TO BE SUBMITTED TO KIMLEY-HORN AT THE CONCLUSION OF THE PROJECT FOR VERIFICATION OF DESIGN INTENT. ANY MODIFICATIONS TO THE GRADING AND UTILITY SYSTEMS	
UCTURES, D OWNER		REQUIRED, NOT PREVIOUSLY APPROVED BY THE OWNER AND ENGINEER ARE THE RESPONSIBILITY OF THE CONTRACTOR.	DESIGNED B
			DATE:





NOTES

- 1) THIS SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS AND/OR MAPS PREPARED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION INDICATED. THEREFORE, RELIANCE UPON THE TYPE, SIZE AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNER, NO LESS THAN THREE (3) NOR MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. TENNESSEE 811 1–800–351–1111.
- 2) PARCEL NUMBERS SHOWN THUS () REFER TO TAX MAP 105-6.
- 3) BY MEANS OF GRAPHIC PLOTTING UPON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL 47037C0243 H, NOT PRINTED, IT HAS BEEN DETERMINED THAT THE PARCEL DESCRIBED HEREON DOES NOT LIE WITHIN A FLOOD HAZARD AREA.
- 4) THIS SURVEY PREPARED FROM CURRENT DEED OF RECORD AND DOES NOT REPRESENT A TITLE SEARCH OR A GUARANTEE OF TITLE, AND IS SUBJECT TO ANY STATE OF FACTS A CURRENT AND ACCURATE TITLE SEARCH WILL REVEAL.
- 5) THIS PROPERTY IS CURRENTLY ZONED: RM20
- 6) ALL DISTANCES WERE MEASURED WITH E.D.M. EQUIPMENT AND HAVE BEEN ADJUSTED FOR TEMPERATURE.

LEGEND

WATER VALVE			
WATER METER	→ □		
FIRE HYDRANT	→ Ý		
GAS METER			
GAS VALVE			
IRON ROD OLD	► @ IR(0)		
CLEAN-OUT	► 0 C0		
GUARD POST	→ O GP		
SIGN POST	-0-		
CATCH BASIN	►		
BENCHMARK			
MANHOLE	→ ©		
UTILITY POLE			
LIGHT POLE	→ □¤		
TREE	\rightarrow		
PROPERTY LINE			
EDGE OF PAVEMENT			
EDGE OF CONC.			
WALL			_
CURB			
OVERHEAD UTILITY	——ОН ———	——— OH ————	_
WATER LINE	W	6"	
SEWER LINE	SA	8"	_
GAS LINE	G	4"	
STORM SEWER/CULVERT	ST		-
CONTOUR LINE	6	50	-
FENCE LINE	X	×	_

WE HEREBY CERTIFY THAT THIS SURVEY AND THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

MICHAEL H. CHARETTE R.L.S. # 2048

MATCHLINE SHEET 1 613.3+ MATCHLINE SHEET 2

UNDERGROUND

622 WEST IRIS DRIVE NASHVILLE, TENNESSEE 37204 (615)269-3972 FAX:(615)269-9345 E-MAIL: cherryIs@comcast.net

CHERRY LAND SURVEYING, INC

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NOTES

1) THIS SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS AND/OR MAPS PREPARED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION INDICATED. THEREFORE, RELIANCE UPON THE TYPE, SIZE AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNER, NO LESS THAN THREE (3) NOR MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. TENNESSEE 811 1-800-351-1111.

MATCHLINE SHEET 1

MATCHLINE SHEET

UNDERGROUND

UNDERGROUND

MANHOLE T.C. EL.=610.4

<u>MANHOLE</u> T.C. EL.=601.8

- 2) PARCEL NUMBERS SHOWN THUS () REFER TO TAX MAP 105-6.
- 3) BY MEANS OF GRAPHIC PLOTTING UPON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL 47037C0243 H, NOT PRINTED, IT HAS BEEN DETERMINED THAT THE PARCEL DESCRIBED HEREON DOES NOT LIE WITHIN A FLOOD HAZARD AREA.
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LEGEND

WATER VALVE	→ 🕅	
WATER METER	► □	
FIRE HYDRANT	► Ŭ	
GAS METER	► ∅	
GAS VALVE		
IRON ROD OLD	— ● IR(0)	
CLEAN-OUT	→ 0 C0	
GUARD POST	→ O GP	
SIGN POST	-0-	
CATCH BASIN	→ 🗏	
BENCHMARK		
MANHOLE	→ ◎	
UTILITY POLE		
LIGHT POLE	→ □×	
TREE		
PROPERTY LINE		
EDGE OF PAVEMENT		
EDGE OF CONC.		
WALL		
CURB		
OVERHEAD UTILITY		
	——————————————————————————————————————	OH
WATER LINE	—————————————————————————————————————	— он —— —— 6"———
WATER LINE	он w sa	— он — 6"— 8" — 8" —
WATER LINE SEWER LINE GAS LINE	ОН W SA G	OH 6" 6" 8" 4"
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT	ОН W SA G ST	OH 6" 6" 8" 4" 12"
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE	ОН SA G ST65	OH
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	— он —	OH
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	ОН SA G ST65 К	OH 6" 8" 4" 12" 50 X
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	— он —	OH
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	— он —	OH
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	— он —	OH
WATER LINE SEWER LINE GAS LINE STORM SEWER/CULVERT CONTOUR LINE FENCE LINE	— он —	OH 6" 8" 4" 12" 60 X

MANHOLE T.C. EL.=591.7 INV. EL.=591.7 WE HEREBY CERTIFY THAT THIS SURVEY AND THE INFORMATION SHOWN HEREON

IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.



MICHAEL H. CHARETTE R.L.S. # 2048



BM-PK NAIL IN POWER POLE EL.=594.89

MANHOLE T.C. EL.=582.7 INV. EL.=582.7

> STATE PLANE NAD-83

PARTIAL TOPOGRAPHIC SURVEY OF THE PARK AT HILLSIDE EDGEHILL AVENUE AT HILSIDE AVENUE PLAT BOOK 9700, PAGE 760 NASHVILLE, DAVIDSON COUNTY, TENNESSEE SCALE: 1" = 30' - DATE: JUNE 17, 2019 SHEET 2 OF 2

GRAPHIC SCALE -1" = 30'

JOB# 19065 MHC



	EROSION CONTROL LEGEND
	FR STONE FILTER RING - CLASS A RIP-RAP, 2' THICK
	OP OUTLET PROTECTION - REFER TO DETAIL SHEET C3-50
	DD DIVERSION DITCH - REFER TO DETAIL SHEET C3-50
	(IP) INLET PROTECTION - REFER TO DETAIL SHEET C3-50
SF	SF) SILT FENCE, WIRE-BACKED - REFER TO DETAIL SHEET C3-50
∞	EE EROSION EELS - REFER TO DETAIL SHEET C3-50
	CD ROCK CHECK DAM - REFER TO DETAIL SHEET C3-50
(= -) _	CW CONCRETE WASHOUT AREA - REFER TO DETAIL SHEET C3-50
	MA EROSION CONTROL MATTING - CONTECH LANDLOK S2 OR APPROVED EQUAL. CONTRACTOR TO INSTALL ON ALL SLOPES 3(H):1(V) OR STEEPER - REFER TO DETAIL SHEET C3-50
	CE CONSTRUCTION EXIT - REFER TO DETAIL SHEET C3-50
	TS TEMPORARY STABILIZATION - REFER TO DETAIL SHEET C3-50
	PS PERMANENT STABILIZATION - REFER TO DETAIL SHEET C3-50
TP	TP TREE PROTECTION FENCE / HIGH VISIBILITY FENCE - REFER TO DETAIL SHEET C3-50
	LIMITS OF DISTURBANCE
•-•	CS CONSTRUCTION SIGN

METRO STORMWATER NOTES

G G	FEMA NOTE: THIS LOT DOES NOT LIE IN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #47037C0243 H, EFFECTIVE APRIL 5, 2017.
<	 CONSTRUCTION SCHEDULE: PRE-CONSTRUCTION MEETING INSTALLATION OF EROSION CONTROL MEASURES EROSION INSPECTION BY EPSC AND METRO ISSUANCE OF GRADING PERMIT CONSTRUCTION
	CONSTRUCTION SHALL BE COMPLETED WITHIN 12 MONTHS OF THE GRADING PERMIT BEING ISSUED. IF CONSTRUCTION IS NOT COMPLETE IN THAT AMOUNT OF TIME, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY FOR AN EXTENSION OF THE GRADING PERMIT.
	TDEC NOTICE OF COVERAGE NOTE: THIS PROJECT DOES DISTURB MORE THAN 1 ACRE AND IS REQUIRED TO APPLY FOR A NOTICE OF COVERAGE UNDER THE TENNESSEE GENERAL CONSTRUCTION PERMIT FROM TDEC.
<u> </u>	THE TOTAL DISTURBED AREA IS ±2.86 ACRES AND IS COVERED UNDER TDEC PERMIT NUMBER TNR 245370.
EROSION CONT	TROL NOTES
1. STOCKPILED TOPSO WILL NOT CONTAMIN PILE LOCATIONS SHA ACTIVITIES. EROSIO	IL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF IATE SURROUNDING AREAS OR ENTER NEARBY STREAMS. STOCK ALL BE COORDINATED WITH THE ENGINEER PRIOR TO GRADING IN & SEDIMENT CONTROL PRACTICE SHALL BE INSTALLED PRIOR TO
2. ANY SITE USED FOR PROPERLY PERMITT CONTRACTOR TO SE UTILIZED. A COPY O PRIOR TO COMMENC RESULT IN THE CON	ONS. DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE ED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE E THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY F THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR EMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY TRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN
 CONSTRUCT SILT BA CONSTRUCT SILT BA MULCH AND SEED AL COMPLETED (WITHIN INDICATED. CONTRA PERMANENT SOIL ST STABILIZED WITHIN 7 	RRIERS BEFORE BEGINNING GRADING OPERATIONS. L DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS N 15 DAYS OF ACHIEVED FINAL GRADES) UNLESS OTHERWISE CTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH 'ABILIZATION. STEEP SLOPES (GREATER THAN 3:1) SHALL BE Y DAYS OF FINAL GRADING.
 REMOVE SEDIMENT I GOVERNING AGENC¹ CLEAN SILT BARRIEF AS DIRECTED BY THI AS EFFECTIVENESS REPRESENTATIVE 	FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL Y OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SWHEN THEY ARE APPROXIMATELY 50% FILLED WITH SEDIMENT OR E OWNER'S REPRESENTATIVE. SILT BARRIERS SHALL BE REPLACED IS SIGNIFICANTLY REDUCED OR AS DIRECTED BY THE OWNER'S
7. REMOVE THE TEMPO AFTER A SOLID STAN IN THE OPINION OF T 8. PROVIDE TEMPORAF CONSTRUCTION VEH FREE OF TRACKED M	PRARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY ND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND, WHEN HE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED. Y CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE NICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS NUD AND DIRT.
9. DO NOT DISTURB VE GRADING PURPOSES 10. STABILIZATION MEAS AS SOON AS PRACTI HAVE TEMPORARILY 10.a. WHERE THERE I MEASURES SHAI CONSTRUCTION FARTH DISTURB	GETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR S. SURES (SEED & MULCH, TRIM WHERE INDICATED) SHALL BE INITIATED CABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES OR PERMANENTLY CEASED, EXCEPT IN THE FOLLOWING TWO CASES. S SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION LL BE INITIATED AS SOON AS PRACTICABLE OR WHERE ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND ING ACTIVITIES WILL BE RESUMED WITHIN 15 DAYS. TEMPORARY
STABILIZATION M 10.b. ALL EROSION CO PROLONGED RA CHECKS AND CO MONITORING RE	AEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE. ONTROL MEASURES SHALL BE CHECKED TWICE WEEKLY DURING INFALL DAILY CHECKING IS NECESSARY. DOCUMENTATION OF ALL ORRECTIVE MEASURES SHALL BE KEPT AT THE PROJECT. A PORT CAN BE FOUND IN THE TENNESSEE EROSION AND SEDIMENT POOR
11. CONTRACTOR TO PR REFUELING IN ACCO CONTRACTOR TO CO PRECONSTRUCTION BUILDING MATERIALS ADVERSE IMPACTS 1 12. SEE ADDITIONAL ERG	BOOK. COVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT RDANCE WITH METRO CP-10 AND CP-13, RESPECTIVELY. CORDINATE EXACT LOCATION WITH NPDES DEPARTMENT DURING MEETING. CONTROL OF OTHER SITE WASTES SUCH AS DISCARDED S, CHEMICALS, LITTER, AND SANITARY WASTES THAT MAY CAUSE TO WATER QUALITY IS ALSO REQUIRED BY THE GRADING PERMITEE. DISION CONTROL NOTES ON SHEET C0-10.
	TDEC NOTICE OF COVERAGE NOTE:
	THE PROJECT ASSOCIATED WITH THESE SUBMITTED PLANS IS COVERED UNDER TENNESSEE CONSTRUCTION GENERAL PERMIT TNR245370. THE TOTAL DISTURBED AREA IS 2.86 ACRES.
	THIS SITE DOES NOT DISCHARGE INTO WATERS IDENTIFIED BY TDEC AS IMPARIED OR EXCEPTIONAL
	SEPTEMBER 16 2021

SEPTEMBER 16, 2021 DATE

CIRCLE ONE: DEVELOPER PROJECT ENGINEER OTHER: PLEASE ATTACH A COPY OF THE NOTICE OF COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT.

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SIGNATURE

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		EROSION CONTROL LEGEND	
	FR	STONE FILTER RING - CLASS A RIP-RAP, 2' THICK	
	OP	OUTLET PROTECTION - REFER TO DETAIL SHEET C3-50	
		DIVERSION DITCH - REFER TO DETAIL SHEET C3-50	
		INLET PROTECTION - REFER TO DETAIL SHEET C3-50	
SF (SF	SILT FENCE, WIRE-BACKED - REFER TO DETAIL SHEET C3-50	
$\infty \infty $	EE	EROSION EELS - REFER TO DETAIL SHEET C3-50	
	CD	ROCK CHECK DAM - REFER TO DETAIL SHEET C3-50	
r=⊐ " " (L=J	CW	CONCRETE WASHOUT AREA - REFER TO DETAIL SHEET C3-50	
	MA	EROSION CONTROL MATTING - CONTECH LANDLOK S2 OR APPROVED EQUAL. CONTRACTOR TO INSTALL ON ALL SLOPES 3(H):1(V) OR STEEPER - REFER TO DETAIL SHEET C3-50	
	CE	CONSTRUCTION EXIT - REFER TO DETAIL SHEET C3-50	
(TS	TEMPORARY STABILIZATION - REFER TO DETAIL SHEET C3-50	
(PS	PERMANENT STABILIZATION - REFER TO DETAIL SHEET C3-50	
TP (TP	TREE PROTECTION FENCE / HIGH VISIBILITY FENCE - REFER TO DETAIL SHEET C3-50	
		LIMITS OF DISTURBANCE	
•• (CS	CONSTRUCTION SIGN	

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		EROSION CONTROL LEGEND
	' (FR	STONE FILTER RING - CLASS A RIP-RAP, 2' THICK
	OP	OUTLET PROTECTION - REFER TO DETAIL SHEET C3-50
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SF	SF	SILT FENCE, WIRE-BACKED - REFER TO DETAIL SHEET C3-50
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	CE	CONSTRUCTION EXIT - REFER TO DETAIL SHEET C3-50
	TS	TEMPORARY STABILIZATION - REFER TO DETAIL SHEET C3-50
	PS	PERMANENT STABILIZATION - REFER TO DETAIL SHEET C3-50
TP		TREE PROTECTION FENCE / HIGH VISIBILITY FENCE - REFER TO DETAIL SHEET C3-50
LOD	r	LIMITS OF DISTURBANCE
• •	(CS)	CONSTRUCTION SIGN

FEMA NOTE: THIS LOT DOES NOT LIE IN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #47037C0243 H, EFFECTIVE APRIL 5, 2017.

- CONSTRUCTION SCHEDULE: PRE-CONSTRUCTION MEETING
- INSTALLATION OF EROSION CONTROL MEASURES EROSION INSPECTION BY EPSC AND METRO
- . ISSUANCE OF GRADING PERMIT
- 5. CONSTRUCTION

CONSTRUCTION SHALL BE COMPLETED WITHIN 12 MONTHS OF THE GRADING PERMIT BEING ISSUED. IF CONSTRUCTION IS NOT COMPLETE IN THAT AMOUNT OF TIME, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY FOR AN EXTENSION OF THE GRADING PERMIT.

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UNDER TDEC PERMIT NUMBER TNR 245370.

EROSION CONTROL NOTES

X _____X ____

- STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS. STOCK PILE LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO GRADING ACTIVITIES. EROSION & SEDIMENT CONTROL PRACTICE SHALL BE INSTALLED PRIOR TO STOCKPILE OPERATIONS.
- ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN FXPFNSF
- CONSTRUCT SILT BARRIERS BEFORE BEGINNING GRADING OPERATIONS. MULCH AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED (WITHIN 15 DAYS OF ACHIEVED FINAL GRADES) UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION. STEEP SLOPES (GREATER THAN 3:1) SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING. REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL
- GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. CLEAN SILT BARRIERS WHEN THEY ARE APPROXIMATELY 50% FILLED WITH SEDIMENT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SILT BARRIERS SHALL BE REPLACED AS EFFECTIVENESS IS SIGNIFICANTLY REDUCED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND, WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE
- CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT. DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
- STABILIZATION MEASURES (SEED & MULCH, TRIM WHERE INDICATED) SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, EXCEPT IN THE FOLLOWING TWO CASES. 10.a. WHERE THERE IS SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE OR WHERE
- CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 15 DAYS. TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE. 10.b. ALL EROSION CONTROL MEASURES SHALL BE CHECKED TWICE WEEKLY DURING PROLONGED RAINFALL DAILY CHECKING IS NECESSARY. DOCUMENTATION OF ALL CHECKS AND CORRECTIVE MEASURES SHALL BE KEPT AT THE PROJECT. A MONITORING REPORT CAN BE FOUND IN THE TENNESSEE EROSION AND SEDIMENT
- CONTROL HANDBOOK. CONTRACTOR TO PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT REFUELING IN ACCORDANCE WITH METRO CP-10 AND CP-13, RESPECTIVELY. CONTRACTOR TO COORDINATE EXACT LOCATION WITH NPDES DEPARTMENT 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 GRADING PERMITEE. 12. SEE ADDITIONAL EROSION CONTROL NOTES ON SHEET C0-10.

GRAPHIC SCALE IN FE

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Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\C3-50 EROSION CONTROL DETAILS.dwg C3-50 EROSION CONTROL DETAILS Aug 26, 2022 1:49pm by: Kevin.Mauro

DETENTION CHART					
DETENTION #	VOLUME	DEPT			
1	4,580 CF	7 FT			
2	4,875 CF	8.75 F			

		ШШ	H.6	-55	1	
		PIPE T	ABLE			
NAME	UPSTREAM	DOWNSTREAM	SIZE	LENGTH	SLOPE	MATERIAL
A0 - EX-01	572.10 (A0)	570.50 (EX-01)	18"	31'	5.25%	RCP
A0.1 - A0	573.00 (A0.1)	572.10 (A0)	18"	27'	3.46%	RCP
A1 - A0.1	575.50 (A1)	573.00 (A0.1)	18"	24'	10.59%	RCP
A1.1 - A1	575.55 (A1.1)	575.28 (A1)	15"	15'	1.83%	RCP
A1.2 - A1.3	576.50 (A1.2)	576.30 (A1.3)	15"	3'	7.46%	RCP
A3 - A1.4	581.00 (A3)	580.00 (A1.4)	18"	11'	9.80%	RCP
A5 - A3	588.20 (A5)	583.00 (A3)	15"	159'	3.29%	RCP
A6 - A7	598.00 (A6)	597.30 (A7)	15"	43'	1.63%	RCP
A7 - A7.1	597.30 (A7)	597.20 (A7.1)	15"	3'	3.34%	RCP
B1 - A1.5	579.66 (B1)	579.00 (A1.5)	12"	27'	2.52%	HDPE
B2 - B1	580.23 (B2)	579.66 (B1)	12"	23'	2.52%	HDPE
B3 - B2	580.63 (B3)	580.23 (B2)	12"	17'	2.52%	HDPE
B4 - B3	582.24 (B4)	580.96 (B3)	8"	51'	2.52%	HDPE
B5 - B4	582.62 (B5)	582.24 (B4)	8"	15'	2.52%	HDPE
B6 - B5	584.42 (B6)	582.62 (B5)	8"	54'	3.36%	HDPE
B7 - B6	584.77 (B7)	584.42 (B6)	8"	11'	3.25%	HDPE
B8 - B7	586.52 (B8)	584.77 (B7)	8"	54'	3.25%	HDPE
B9 - B8	586.93 (B9)	586.52 (B8)	8"	13'	3.25%	HDPE
B10 - B9	590.74 (B10)	586.90 (B9)	8"	60'	6.41%	HDPE
C0 - A3	587.20 (C0)	584.38 (A3)	15"	52'	5.43%	RCP
C1 - C0	591.00 (C1)	589.07 (C0)	12"	36'	5.49%	HDPE
C2 - C1	596.89 (C2)	594.89 (C1)	8"	60'	3.38%	HDPE
C3 - C2	598.21 (C3)	597.09 (C2)	8"	34'	3.38%	HDPE
C4 - C3	599.48 (C4)	598.41 (C3)	8"	33'	3.32%	HDPE

		PIPE TA	BLE			
NAME	UPSTREAM	DOWNSTREAM	SIZE	LENGTH	SLOPE	MATERI
C5 - C4	600.73 (C5)	599.68 (C4)	8"	34'	3.09%	HDPE
C6 - C5	602.02 (C6)	600.93 (C5)	8"	34'	3.30%	HDPE
C7 - C6	603.29 (C7)	602.22 (C6)	8"	33'	3.26%	HDPE
C8 - C7	604.56 (C8)	603.49 (C7)	8"	33'	3.27%	HDPE
C9 - C8	605.87 (C9)	604.76 (C8)	8"	30'	3.76%	HDPE
D3 - E0	598.11 (D3)	597.75 (E0)	15"	11'	3.28%	RCP
D4 - D3	598.72 (D4)	598.11 (D3)	15"	61'	1.00%	RCP
D5 - D3	601.00 (D5)	599.00 (D3)	15"	24'	8.43%	RCP
EX-01 - EX-00	570.50 (EX-01)	554.90 (EX-00)	18"	236'	6.61%	CMP
EX-02 - EX-01	571.80 (EX-02)	570.50 (EX-01)	15"	14'	9.75%	RCP
EX-03 - F-0	585.20 (EX-03)	584.60 (F-0)	15"	13'	4.94%	RCP
EX-04 - F0.B	594.04 (EX-04)	589.98 (F0.B)	15"	126'	3.23%	RCP
F-0 - EX-01	584.60 (F-0)	570.50 (EX-01)	18"	374'	3.78%	RCP
F0.A - F-0	586.40 (F0.A)	584.60 (F-0)	15"	26'	7.12%	RCP
F0.B - F-0	586.85 (F0.B)	584.60 (F-0)	18"	167'	1.35%	RCP
F1 - F0.B	587.27 (F1)	586.85 (F0.B)	18"	32'	1.35%	RCP
F2 - F1	591.63 (F2)	590.28 (F1)	15"	33'	4.17%	RCP
F3 - F2	592.59 (F3)	591.63 (F2)	15"	24'	4.00%	RCP
F4 - F1	589.25 (F4)	587.69 (F1)	18"	52'	3.05%	RCP
G0 - A1	590.00 (G0)	576.75 (A1)	18"	185'	7.19%	RCP
H0 - F0.A	587.75 (H0)	586.40 (F0.A)	15"	41'	3.33%	RCP
H1 - H0	589.50 (H1)	588.00 (H0)	15"	47'	3.19%	RCP
H1.1 - H1	589.90 (H1.1)	589.50 (H1)	15"	21'	1.95%	RCP
H4 - H3	590.75 (H4)	590.65 (H3)	15"	2'	5.86%	RCP

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	RETAINING WALL TABLE								
	MAX HEIGHT (FT)	WALL LENGTH	WALL TYPE						
	<u>+</u> 6.00	48 L.F.	CMU						
	<u>+</u> 6.00	85 L.F.	CMU						
	<u>+</u> 6.00	85 L.F.	CMU						
	<u>+</u> 8.00	85 L.F.	CMU						
	<u>+</u> 6.00	92 L.F.	CMU						
	<u>+</u> 6.00	60 L.F.	CMU						
	+ 6.00	97 L F	CMU						

METRO PERMITTING REFERENCE					
BUILDING PERMIT:	T2021056442				
GRADING PERMIT:	2021031341				
WATER PERMIT:	21WL0082				
SEWER PERMIT:	21SL0195				

GRADING NOTES

- CONTRACTOR RESPONSIBLE FOR VERIFYING LOCATION, SIZE, AND ELEVATIONS OF EXISTING UTILITIES AT CONNECTION POINTS PRIOR TO GRADING OR INSTALLATION OF ANY PROPOSED UTILITIES. CONTRACTOR TO IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE FOUND.
- AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER AND IN ACCORDANCE WITH SECTION 4.1.4 OF THE TENNESSEE GENERAL NPDES PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY LOCAL INSPECTOR. DISTURBED AREAS LEFT IDLE FOR FIVE DAYS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED TO TEMPORARY
- VEGETATION. MULCH, TEMPORARY VEGETATION OR PERMANENT VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS WITHIN 14 DAYS AFTER DISTURBANCE. ALL AREAS TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION UPON COMPLETION. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE
- UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING. IF UNABLE TO ACCOMPLISH, MULCH SHALL BE USED AS A TEMPORARY COVER. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER (DOES NOT APPLY TO RETAINING WALLS), AND CUTS AND FILLS WITHIN BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BI ANKETS
- THE GRADING PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE DISPLAYED AND INSPECTED PRIOR TO ANY GRADING ON SITE. THE CONTRACTOR MUST CALL FOR AN INSPECTION TO OBTAIN A PERMIT TO GRADE. PLEASE CALL WITH ENOUGH LEAD-TIME FOR AN INSPECTION TO MEET YOUR SCHEDULE. SEDIMENT/EROSION CONTROL DEVICES MUST BE INSPECTED
- ACCORDING TO LOCAL AND STATE REQUIREMENTS AND AS STIPULATED IN THE STORMWATER POLLUTION PREVENTION PLAN. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MAY BE NECESSARY AS THE PROJECT PROGRESSES AND NEW
- CHANNELS HAVE DEVELOPED. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.). EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL
- TIMES IF FULL IMPLEMENTATION OF THE PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- . CONTRACTOR SHALL REVIEW SITE GEOTECHNICAL REPORT BEFORE COMMENCING GRADING OPERATIONS. 2. SEED ALL DISTURBED AREAS UNLESS OTHERWISE NOTED AS PART OF THIS CONTRACT. REFER TO LANDSCAPING PLANS FOR
- AREAS TO RECEIVE SOD. 13. INSTALL SOD OR RIPRAP IN SWALES AS INDICATED ON GRADING PLANS AND EROSION CONTROL PLANS
- 14. TOPSOIL ON SITE TO BE STRIPPED AND STOCKPILED FOR REUSE IN LAWN AREAS
- 5. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER WATER QUALITY MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF
- THE PROPERTY OWNER AND/OR CONTRACTOR. 16. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, DESIGNER, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL ONE CALL--811 OR 1-800-752-6007
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.

METRO STORMWATER NOTES

FEMA NOTE:

THIS LOT DOES NOT LIE IN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #47037C0234 H, EFFECTIVE APRIL 5, 2017.

CONSTRUCTION SCHEDULE: PRE-CONSTRUCTION MEETING

- INSTALLATION OF EROSION CONTROL MEASURES EROSION INSPECTION BY EPSC AND METRO 4. ISSUANCE OF GRADING PERMIT
- 5. CONSTRUCTION

CONSTRUCTION SHALL BE COMPLETED WITHIN 12 MONTHS OF THE GRADING PERMIT BEING ISSUED. IF CONSTRUCTION IS NOT COMPLETE IN THAT AMOUNT OF TIME, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY FOR AN EXTENSION OF THE GRADING PERMIT.

A PROJECT WILL NOT BE SCHEDULED FOR A PRE-CONSTRUCTION MEETING UNTIL THE STATE CONSTRUCTION GENERAL PERMIT NOC LETTER IS SUBMITTED.

TDEC NOTICE OF COVERAGE NOTE: THIS PROJECT DOES DISTURB MORE THAN 1 ACRE AND IS REQUIRED TO APPLY FOR A NOTICE OF COVERAGE UNDER THE TENNESSEE GENERAL CONSTRUCTION PERMIT FROM TDEC.

THE TOTAL DISTURBED AREA IS ±2.86 ACRES AND IS COVERED UNDER TDEC PERMIT NUMBER TNR 243984.

RETAINING WALL NOTES

- RETAINING WALL BASIS OF DESIGN TO BE CMU WITH CULTURED STONE VENEER.
- ALL SITE RETAINING WALLS INDICATED ON THESE PLANS ARE SHOWN FOR GENERAL LOCATION ONLY. CONTRACTOR SHALL DETERMINE WALL TYPE (UNLESS SPECIFICALLY NOTED ON PLANS) AND SHALL VERIFY PROPOSED WALL LOCATIONS AND HEIGHTS.
- CONTRACTOR SHALL SUBMIT DESIGN DRAWINGS AND CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TENNESSEE TO THE CIVIL ENGINEER OF RECORD AND THE CODES AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS OR CONSTRUCTION.
- ALL WALLS OF HEIGHTS EQUAL TO OR GREATER THAN 30 INCHES (MEASURED FROM TOP OF WALL TO FINISHED GRADE AT BOTTOM OF WALL) SHALL INCLUDE PEDESTRIAN GUARDRAIL OR FENCE. GUARDRAIL SHALL BE IN COMPLIANCE WITH LOCAL CODES AND IBC REQUIREMENTS.

RADIN	IG PLAN LEGEND		
476.17	SPOT ELEVATION HP HIGH POINT TC TOP OF CURB TW TOP OF EXPOSED WALL INV INVERT	LP BC BW RIM	LOW POINT BOTTOM OF CURB / GUTTER LINE BOTTOM OF EXPOSED WALL TOP OF GRATE / COVER
FFE 472.50	FINISH FLOOR ELEVATION		
-500—	EXISTING CONTOUR		
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	KIMLEY-HORN PROJECT NO. 118129070									
	GRADING AND DRAINAGE PLAN -									

SHEET NUMBER

C4-00

PUBLIC STORM LINE
HILLSIDE AVENUE
SCALE HORIZONTAL: 1"=50' VERTICAL: 1"=5'

Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\C5-00 ROADWAY PLAN AND PROFILE.dwg C5-00 ROADWAY PLAN AND PROFILE Aug 26, 2022 1:51pm by: Kevin.Mauro

NOT TO SCALE

C5-00

- METRO NASHVILLE WATER SERVICES STANDARD NOTES ALL WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS OF THE METRO NASHVILLE WATER SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE METRO NASHVILLE WATER SERVICES THE COST OF INSPECTION. THE CONTRACTOR IS TO PROVIDE AND MAINTAIN THE CONSTRUCTION IDENTIFICATION SIGN FOR PRIVATE DEVELOPMENT APPROVED. AFTER COMPLETION OF THE SANITARY SEWER, THE DEVELOPER IS RESPONSIBLE FOR THE TELEVISING OF THE LINES PRIOR TO FINAL ACCEPTANCE. THE VIDEOTAPING MUST BE COORDINATED WITH THE METRO NASHVILLE WATER SERVICES INSPECTION SECTION. ALL COSTS WILL BE BORNE BY THE DEVELOPER. ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE BY CORING AND RESILIENT CONNECTOR METHOD. REDUCED PRESSURE BACKFLOW PREVENTION DEVICES (RPBP) OR DUAL CHECK VALVE WILL BE REQUIRED ON ALL TEST AND FILL LINES (JUMPER) NEEDED FOR WATER MAIN CONSTRUCTION AND MUST BE APPROVED BY THE METRO NASHVILLE WATER SERVICES. ALL WATER METERS SHALL BE A MINIMUM OF 24" NOT TO EXCEED A MAXIMUM OF 28" BELOW FINISHED GRADE. UPON COMPLETION OF CONSTRUCTION OF WATER AND/OR SEWER, THE ENGINEER SHALL PROVIDE THE DEPARTMENT WITH A COMPLETE SET OF AS-BUILT PLANS ON MOIST ERASABLE MYLARS IN REVERSE AND IN DIGITAL (*.DWG) FORMAT. SEWER PLANS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER OR A REGISTERED LAND SURVEYOR AND SHALL INCLUDE ACTUAL FIELD ANGLES BETWEEN LINES, ALL ACTUAL SERVICE LINES AND TEE LOCATIONS, THE DISTANCE OF THE END OF THE SERVICE LINE TO PROPERTY CORNERS AND LINES AND/OR STATION AND OFFSET FROM SEWER CENTERLINE TO END OF SERVICE LINE, THE DEPTH TO THE TOP OF THE END OF THE SERVICE LINE, AND SHALL REFLECT ALL ALIGNMENT AND GRADE CHANGES. WATER LINE PLANS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER OR A REGISTERED LAND SURVEYOR AND SHALL INCLUDE OFFSET DISTANCE FROM THE ROADWAY CENTERLINE, OR PROPERTY LINE RIGHT OF WAY, LINE DEPTH, LOCATIONS OF HYDRANTS, VALVES, REDUCERS, TEES AND PRESSURE REDUCING DEVICES WHERE APPLICABLE. ALL DRAWINGS MUST BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF THE SEWERS OR WATER MAINS INTO THE PUBLIC SYSTEM AND ANY CONNECTIONS BEING MADE. PRESSURE REGULATING DEVICES WILL BE REQUIRED ON THE CUSTOMER SIDE OF THE METER WHEN PRESSURES EXCEED 100 PSI. PRESSURE REGULATING DEVICES WILL BE REQUIRED ON THE STREET SIDE OF THE METER WHEN PRESSURES EXCEED 150 PSI.
- 11. ALL WATER MAINS MUST BE LOCATED WITHIN THE PAVED AREA INCLUDING ALL BLOW-OFF ASSEMBLIES.
- 12. ALL WATER AND/OR SEWER SERVICES, ALONG WITH APPURTENANCES, SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS OF THE METRO NASHVILLE WATER SERVICES.
- 13. VERTICAL DOUBLE CHECK VALVE ASSEMBLIES, THAT ARE LOCATED IN INTERIOR ROOMS, CAN ONLY BE USED FOR FIRE SERVICES.
- 14. IRRIGATION LINE SHALL BE COPPER FROM THE METER TO THE BACKFLOW PREVENTER. 15. THE MINIMUM FEES OUTLINED IN THE CAPACITY LETTER MUST BE PAID BEFORE
- COMMERCIAL CONSTRUCTION PLANS CAN BE REVIEWED.
- ALL SEWER SERVICES SHALL BE 6 INCHES IN DIAMETER, FROM CONNECTION AT THE MAIN UNTIL THE FIRST CLEAN OUT ASSEMBLY, UNLESS OTHERWISE NOTED.
 BACKFLOW DEVICE TO REMAIN ACCESSIBLE AT ALL TIMES.
- BACKFLOW DEVICE TO REMAIN ACCESSIBLE AT ALL TIMES.
 PLAN SIZE SHALL BE 24" X 36", AND SHALL SHOW CONTOURS AROUND METER BOXES.

METRO PERMITTING REFERENCE					
BUILDING PERMIT:	T2021056442				
GRADING PERMIT:	2021031341				
WATER PERMIT:	21WL0082				
SEWER PERMIT:	21SL0195				

UTILITY NOTES

- 1. CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS COMPARED TO THOSE SHOWN ON PLAN PRIOR TO GRADING. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE FOUND.
- AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
 ALL WATER AND SEWER MATERIALS AND CONSTRUCTION
- SHALL BE IN COMPLIANCE WITH METRO NASHVILLE WATER SERVICES STANDARD SPECIFICATIONS.MAINTAIN MINIMUM 10 FEET HORIZONTAL SEPARATION
- BETWEEN WATER & SANITARY SEWER OR 18" VERTICAL SEPARATION AT CROSSING LOCATIONS.
 5. REFER TO METRO NASHVILLE WATER SERVICES STANDARD
- SPECIFICATIONS FOR PIPE BEDDING REQUIREMENTS.
 ALL WATER VALVES TO BE LOCATED OUTSIDE OF PAVED AREAS WHERE POSSIBLE.
 THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF
- AS-BUILT DRAWINGS OF WATER & SANITARY SEWER CONSTRUCTION PRIOR TO THE ACCEPTANCE OF THE PUBLIC UTILITIES.
- 8. CONTRACTOR RESPONSIBLE FOR DISCONNECTING EXISTING WATER SERVICE LINES AT THE PUBLIC MAIN PER METRO WATER SERVICES STANDARDS. PAVEMENT REPAIR SHALL BE DONE IN ACCORDANCE TO METRO PUBLIC WORKS STANDARD.

EXISTING UTILITIES NOTE

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND/OR CONFLICTS WITH EXISTING OR PROPOSED UTILITIES PRIOR TO PROCEEDING.

UTILITIES CLEARANCE NOTE

MAINTAIN 10' HORIZONTAL SEPARATION OR 18" VERTICAL SEPARATION BETWEEN PUBLIC SANITARY SEWER LINE AND OTHER UTILITIES, TYP.

SHEET NUMBER

C7-00

Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\C8-00 SITE DETAILS.dwg C8-01 SITE DETAILS Aug 26, 2022 1:53pm by: Kevin.Mauro

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- 2. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
- CONCRETE SURFACE
- 2 1.5" BITUMINOUS BINDER (B-M2)
- 3 PRIME COAT (402-01,-02)
- 4 6" STONE (TYPE A, GRADING D)
- COMPACTED
- SUB-GRADE

TYPICAL LIGHT DUTY ASPHALT PAVEMENT SECTION NOT TO SCALE

"STOP" SIGN MUTCD R1-1 "ALL WAY" SIGN MUTCD R1-4 - 3,000 PSI CONCRETE WITH MEDIUM MONOLITHIC CURB — STEEL U-CHANNEL 7' MIN. FINISHED SIDEWALK FINISHED GRADE GRADE 3'-0' COMPACTED SUBSOIL STOP SIGN 11 NOT TO SCALE

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METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	NEW CONSTRUCTION COMMERCIAL DRIVEWAY RAMP	DWG.	NO. ST-324
DIR. OF ENG .: Mark Mary	DATE: 5/12/03	REVISED: REVISED: REVISED:	07/27/02 05/08/03

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Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\C8-00 SITE DETAILS.dwg C8-11 SITE DETAILS Aug 26, 2022 1:53pm by: Kevin.Mauro

T OF OUNTY DRKS CURB RAMP	DWG. NO. ST-320
May_ DATE: 5/12/03	REVISED: 07/18/02 REVISED: 05/08/03 REVISED:

Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\C8-00 SITE DETAILS.dwg C8-20 UTILITY DETAILS Aug 26, 2022 1:53pm by: Kevin.Mauro

NOTES: 1. DETAIL DRAWING REFLECTS DESIGN INTENT ONLY. ACTUAL DIMENSIONS AND CONFIGURATION OF STRUCTURE WILL BE SHOWN ON PRODUCTION SHOP DRAWING. IN ALL CASES, MANHOLE SHALL BE BUILT LARGE ENOUGH TO

- ACCOMMODATE INLET AND OUTLET PIPES. 2. PRECAST MANHOLE TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478, LATEST REVISION.
- 3. STRUCTURE AND ACCESS TO MEET AASHTO H-20 LOAD RATING.

DETENTION SYSTEM NOTES:

- 1. SYSTEM TO BE PRE-CAST STORM VAULT CHAMBERS. TWO MANHOLE ACCESS WAYS SHALL BE PROVIDED WITH HEAVY DUTY VEHICULAR RATED GRATES OPEN TO THE ATMOSPHERE. GRATES SHALL BE MARKED WITH "STORMWATER".
- COMPLETE DETENTION SYSTEM SHALL BE WATERTIGHT. 2. 3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ENGINEER AND OWNER APPROVAL PRIOR TO
- CONSTRUCTION AS NECESSARY. 4. CONTRACTOR SHALL DOCUMENT INSTALLATION AND PROVIDE AS-BUILTS REQUIRED BY METRO NASHVILLE STORMWATER DIVISION.

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	UTILITY DETAILS									
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Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\L1-00 LANDSCAPE PLAN.dwg LANDSCAPE PLAN Aug 26, 2022 1:02pm by: Kevin.Mauro

<u>X</u> <u>Y</u> <u>C</u> <u>C</u> <u>X</u> <u>C</u> <u>C</u> <u>X</u> <u>C</u>	LEGEND Image: Street Tree Requirements Required: Based on THE APPROVED 2018SP-026 TRESERVOIR SPECIFIC PLAN, STREET TREES SHALL BE PROVIDED ON ALL PUBLIC STREET FRONTAGES AT A MINIMUM 50' AVERAGE ON CENTER. PROVIDED: STREET TREES 50' AVERAGE ON CENTER. PROVIDED: STREET TREES 50' AVERAGE ON CENTER. NOTE: WHERE OVERHEAD UTILITIES EXIST, UNDERSTORY TREES ARE UTILIZED TO AVOID CONFLICT. LANDSCAPE NOTES • ALL AREAS THAT HAVE BEEN DISTURBED NOT COVERED BY PLANTINGS OR HARDSCAPE SHALL BE SODDED IN ORDER TO ACHIEVE A WELL-ESTABLISHED LAWN. • THE AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM SHALL MEET METRO NASHVILLE STANDARDS. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE IRRIGATION SYSTEM.	Kimpley Morn Sold Sold Sold Anshrile, TN 37210 Main: 615.564.2701 www.kimley-horn.com © 2022 Kimley-Horn and Associates, Inc.
G W 8"W 6"W 8"W TREE DENSITY UNIT (TDU) WORKSHEET (Ordinance 94-1104) Date: 04/28/2021 Map: 105 Parcel: 355 Application Number Project Name: Reservoir Zone 7 Multi-Family Address: 1501 Hillside Ave, Nashville, TN 37203 1 Acreage (area of parcel including building site) 6 2 Minus Building Coverage Area (a 3 Equals Adjusted Acreage (b) 4 Multiply by Required Tree Density Unit per acre (b) 5 Required TDU for Project (c) DBH # of Trees Value TDU 8" x 3.2 0 10" x 4.0 0 12" x 4.8 0 14" x 5.6 0 18" x 7.2 0 20" x 8.8 0 24" x 9.6 0 total	REV Sept-2019 $ \begin{array}{c} 2.09\\ 0.54\\ 1.55\\ All but Single \\ Family and 1\\ & 2 Family\\ = \\ 1 \\ $	RESERVOIR ZONE 7 SINGLE FAMILY NASHVILLE, TENNESSEE
add total to line ETAINED TREE(S) DBH # of Trees Value TDU 26" × 9.4 0 26" × 9.8 0 30" × 10.5 0 32" × 11.2 0 34" × 11.9 0 36" × 12.6 0 38" × 20.0 0 40" × 20.0 0 40" × 20.0 0 dot total to line dot total to line REPLACEMENT TREE(S)- LARGE & MEDIUM CANOPY TREES DBH # of Trees Value TDU 2" × 5 0 3" 3" 10 ×.6 6 4" ×.7 0 0 5" ×.9 0 0 6" ×.1.0 0 0 7" ×.1.2 0 0 8" ×.1.3 0 0 6" ×.1.3 0 0 3" 1.2 0 0 8	6 add total to line 6 RETAINED TREE(S) <u>44"</u>	Image: Stress of the stress
 6 Total TUD Retained on-site 7 Total TDU for Replacement Trees- On-site (4 8 Total Credits Paid to Tree Mitigation Bank* (4 9 Total Density Units Provided (5 7 The total density units provided (line 9) must equal or exceed All Retained and Replacement trees must be shown on site p 7 Trees not protected in accordance with 17.24.110 - Protection Canopy Street Trees with less than 600 c.f. or Understory with * Tree Bank cannot be used for Buffer, Screening, Frontage, P 	Small Understory Columnar varieties receive no TDU credit	2 1

SHEET NUMBER L1-00

1.01 SCOPE OF WORK

PEDESTRIANS. 1.02 PROTECTION OF EXISTING STRUCTURES

OF ALL CONSTRUCTION ACTIVITIES.

PRIOR TO BEGINNING CONSTRUCTION.

INCHES IN CALIPER.

1.04 MATERIALS

A. GENERAL

MATERIALS MAY COMMENCE.

MATERIA TOPSOIL MIX

PLANTS

B. PLANT MATERIALS

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

BY THE OWNER.

1.06 WATER

1.07 FERTILIZER

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

1.08 MULCH

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

1.09 DIGGING AND HANDLING

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

OF PLANTING SOIL

1.10 CONTAINER GROWN STOCK

B. ALL SHRUB SPECIES SHALL BE CONTAINER GROWN.

C. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION. D. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW

1.11 MATERIALS LIST

1.12 FINE GRADING

FOR TRANSPORTING SOIL WITHIN THE SITE.

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

B. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER. C. THE CONTRACTOR SHALL CONTACT THE OWNER AND TENNESSEE ONE CALL AT (615) 351-1111, TWO (2) FULL BUSINESS DAYS PRIOR TO THE BEGINNING OF WORK D. THE CITY MUST APPROVE ALL WORK HOURS AND LANE CLOSURE REQUESTS AT LEAST TWO (2) FULL WORKING DAYS IN ADVANCE OF THE START OF ANY SUCH WORK ON A LOCATION BY LOCATION BASIS. THE INDIVIDUAL(S) INSTALLING THE MAINTENANCE OF TRAFFIC SETUP SHALL HAVE COMPLETED A TDOT APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE. DOCUMENTATION SHALL BE FURNISHED TO THE CITY AT THE PRE-CONSTRUCTION MEETING OR PRIOR TO START OF WORK. E. ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE AND DEVICES ARE VISIBLE TO MOTORISTS AND

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

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO TDOT, COUNTY, OR CITY STANDARDS THROUGH THE DURATION C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES. WHETHER PUBLIC OR PRIVATE. PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL

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

1.03 PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

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

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

SAMPLE SIZE ONE (1) CUBIC FOOT ONE (1) CUBIC FOOT

ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

1. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS SET FORTH IN ANSI Z60.1-2014-AMERICAN STANDARD FOR NURSERY STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR LANDSCAPE ARCHITECT. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.

MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE ROOTBALL OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

3. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

A. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF ½ LOOSE COMPOST (NO GREATER THAN 1" SIV), ½ PEAT AND ½ SAND, AS DESCRIBED BELOW. B. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL

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

D. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE, AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING. E. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

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

B. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS. C. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES. ALL TREES SHALL BE PLANTED AS INDICATED ON DRAWINGS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH

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

FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS

E. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

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

A. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION. B THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER

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

1.13 PLANTING PROCEDURES

- THE CONTRACTOR.
- ADDRESSES POOR DRAINAGE.
- LOCATE ALL UTILITIES.
- D. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
- AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- I. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 1.05 OF THESE SPECIFICATIONS.
- (AFTER TAMPING).
- THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
- FALL AND DAMAGE PERSON OR PROPERTY.
- THE MANUFACTURER (AS ALLOWED BY JURISDICTIONAL AUTHORITY). 1.14 LAWN SODDING
 - APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- D. SODDING
- NOTED OTHERWISE.
- AUTHORITY.
- E. LAWN MAINTENANCE
- PROPERTY'S JURISDICTIONAL AUTHORITY.

1.15 CLEANUF

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

- 1.16 PLANT MATERIAL MAINTENANCE
- OWNER'S REPRESENTATIVE.
- 1.17 FINAL INSPECTION AND ACCEPTANCE OF WORK
- 1 18 WARRANTY
- C. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE MAINTENANCE. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE

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

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

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

E. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED.

PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED. F. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER

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

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

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

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

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

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

A. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE

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

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

1. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN THE CONTRACT LIMITS NOT COVERED BY HARDSCAPE OR VEGETATIVE MATERIAL, UNLESS SPECIFICALLY

2. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED, IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL

3. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

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

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

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

A. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTIED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. B. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION DURING THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN

TEN (10) DAYS OF NOTICE. OR BETWEEN SEPTEMBER-NOVEMBER. MARCH-MAY, ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

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LANDSCAPE NOTES

SHEET NUMBER _1-50

Drawing name: K:\NSH_LDEV\118129070 - reservoir zone 7 sf\4-CADD\plansheets\L1-50 LANDSCAPE DETAILS.dwg L1-51 LANDSCAPE DETAILS Aug 26, 2022 1:02pm by: Kevin.Mauro

TREE PLANTING AT SIDEWALK (TYPICAL PLANTING SOIL)

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8 1 0 1 7 8 3 7 V 8 DESIGNED BY: KH DRAWN BY: KHA CHECKED BY: JLR 10/01/202 DATE: KIMLEY-HORN PROJECT NO. 118129070 LANDSCAPE DETAILS SHEET NUMBER

L1-51