#### GENERAL NOTES

- BASE BOUNDARY AND TOPO SURVEY IS PROVIDED BY MARVIN (BUDDY) WRIGHT SURVEYING, (615) 238-4123. ALL REFERENCES REQUIRING ACCURACY SHOULD BE DIRECTED TO THE ORIGINAL SURVEY DATA. THIS DRAWING IS BELIEVED TO CONTAIN ACCURATE BASE INFORMATION, BUT VERIFICATION AGAINST SURVEY DATA IS REQUIRED.
- OBTAIN WRITTEN AUTHORIZATION FROM THE OWNER AND UTILITY PROVIDERS PRIOR TO INTERRUPTING ANY EXISTING UTILITY (IE: WATER, SEWER, ELECTRICAL, OR TELEPHONE). LOCATE, PROTECT AND FLAG ALL PROPERTY CORNERS AND MONUMENTS ADJACENT TO THE CONSTRUCTION AREA. DO NOT
- DISTURB ANY TREES OR VEGETATION OUTSIDE THE PROPERTY OR OUTSIDE THE LIMITS OF GRADING WITHOUT ANY AUTHORIZATION FROM THE OWNERS
- CONTRACTORS SHALL COMPLY WITH TENNESSEE EROSION AND SEDIMENT CONTROL REGULATIONS. A CERTIFIED EROSION AND SEDIMENT CONTROL PERSON SHALL BE CONTACTED FOR INSPECTION OF THE CONTROL MEASURES AS A 24 HR. P.O.C. NOTES SHALL BE POSTED "ON SITE" WITH INSPECTIONS PERFORMED EVERY 72- HRS. TEMPORARY CONSTRUCTION ACCESS TO BE AT LOCATION DESIGNATED BY THE ASHLAND CITY INSPECTOR. INSTALL MINIMUM
- 20'-0" WIDE 8" THICK GRAVEL AT EXISTING ROAD FOR A MINIMUM LENGTH OF 100 FEET AT ANY CONSTRUCTION ACCESS. USE 2"-3" GRADED ROCK. PROVIDE TEMPORARY CULVERTS TO MAINTAIN ACCESS TO WORKING AREAS. REMOVE CULVERTS WHEN DIRECTED BY ENGINEER.
- AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS OF TENNESSEE D. O. T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THREE WORKING DAYS BEFORE YOU DIG, DRILL, BLAST OR BORE, CALL 1-800-351-1111. CALL ALL OTHER UTILITY OWNERS PRIOR
- TO WORK DURING GRADING OPERATIONS, IF DUE TO ADJUSTMENTS FOR SUBGRADE, WATER BECOMES TRAPPED, CONTRACTOR IS TO CUT A SWALE ALLOWING WATER TO DRAIN.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES FOR EXECUTION OF THE WORK. ALL MATERIALS AND EXECUTION OF THE WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE OF TENNESSEE, AND THE ASHLAND CITY AND CHEATHAM COUNTY RULES AND REGULATIONS. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD
- SPECIFICATIONS OF THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL PAY ALL REQUIRED FEES. CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC., AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR. ALL SLOPES SHALL CONFORM WITH OSHA CONSTRUCTION STANDARDS FOR EXCAVATION, 29 CFR, PART 1926, SUBPART P.
- THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING FEATURES BEFORE STARTING WORK. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY INTERFERENCE OR DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. WORK DONE AFTER SUCH DISCOVERY, UNTIL AUTHORIZED TO PROCEED IN WRITING, SHALL BE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE IN DEPTH AND LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING EXISTING UTILITIES DAMAGED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 14. MAINTAIN AND PROTECT EXISTING PAVEMENT OR GRAVEL SURFACES WHICH ARE TO REMAIN. CONTRACTOR SHALL REPLACE DAMAGED AREAS, MATCHING DEPTH, MATERIAL, AND GRADE OF EXISTING SURFACES. 15. EARTHWORK INCLUDING FINAL DRESSING, BASE & SUBGRADE TREATMENT, FLEXIBLE SURFACE & RIGID PAVEMENT, AND ANY OTHER APPLICABLE WORK SHALL AS A MINIMUM MEET THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD
- SPECIFICATIONS.
- NO GEOTECHNICAL REPORT WILL BE PROVIDED ON THIS PROJECT 17. CHECK GRADES, LINES, LEVELS, AND DIMENSIONS SHOWN BY THE DRAWINGS AND PROMPTLY REPORT TO OWNER'S REPRESENTATIVE IN WRITING DISCREPANCIES FOR CLARIFICATION BEFORE COMMENCING WORK. EMPLOY A REGISTERED SURVEYOR CONTINUOUSLY ON WORK DURING ENTIRE PERIOD WHEN SUCH GRADES, LINES, LEVELS AND DIMENSIONS ARE NECESSARY FOR WORK. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR CORRECTNESS OF GRADES, LINES, LEVELS, AND DIMENSIONS.
- 18. LEVEL ONE CERTIFIED EROSION CONTROL NOTES SHALL BE POSTED AT THE SITE AT ALL TIMES.
- 19. ALL CONCRETE SHALL BE CLASS "A" CLASS 4,000 PSI (U.N.O.) 20. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WORK.
- 21. ALL DAMAGE TO EXISTING PAVEMENT AND CURBS RESULTING FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
- 22. THE CONTRACTOR MUST UNDERSTAND THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SAME IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY. 23. THE CONTRACTOR SHALL OFFSET ALL CENTERLINE STAKES BEFORE BEGINNING THE CLEANING AND GRADING OPERATION AND
- SET ALL NECESSARY STAKES FOR PROPER EXECUTION OF THE WORK. 24. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, BUILDINGS, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED
- BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY. 25. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, WATER MAINS, SEWERS, BLASTING, ETC.
- 26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES AND ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF WHAT WORK, CAUSED BY HIMSELF, HIS CONTRACTORS OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
- 27. THE CONTRACTOR SHALL BE REQUIRED TO REIMBURSE THE COUNTY AND THE STATE FOR ALL INSPECTION COSTS. 28. CONTROL POINTS, GRADES AND OFFSET STAKES ARE TO BE SET BY THE CONTRACTOR.
- 29. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. IF THE ENGINEER IS NOT NOTIFIED. THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY FIELD ADJUSTMENTS. 30. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN ALL PERMITS PRIOR TO BEGINNING WORK. . PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES
- MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVEMENT. . CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THE USE OF EQUIPMENT IN AND AROUND OVERHEAD ELECTRICAL WIRES AND SERVICES. IF AT ANY TIME IN THE PURSUIT OF THIS WORK. THE CONTRACTOR MUST WORK IN CLOSE PROXIMITY OF THE ABOVE-NOTED WIRES, THE ELECTRICAL COMPANY SHALL BE CONTACTED PRIOR TO SUCH WORK AND THE PROPER SAFETY MEASURES TAKEN.
- 33. SURPLUS MATERIAL NOT REQUIRED FOR SITE CONSTRUCTION SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AFTER THE OWNER'S APPROVAL. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN
- CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC., AND THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" ISSUED BY THE U.S. DEPARTMENT OF LABOR
- 35. ALL PIPES UNDER EXISTING OR PROPOSED PAVED AREAS SHALL BE BACKFILLED TO TOP OF SUBGRADE WITH CRUSHED STONE. 36. DIMENSIONS ARE TO THE FACE OF CURBS, EDGE OF CONCRETE, OR TO THE FACE OF BUILDINGS UNLESS OTHERWISE NOTED.
- 37. ALL SIDEWALKS WILL HAVE A SIDEWALK HEADER AT THE JUNCTION TO PAVEMENT, UNLESS OTHERWISE DETAILED. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS, AND
- STAKED LOT CORNERS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME. THE CONTRACTOR SHALL PROVIDE SUCH BRACING, SHEETING AND SHORING, BLASTING PROTECTION, WARNING LIGHTS AND BARRICADES, ETC., AS MAY BE NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY FOR HIS OWN EMPLOYEES AND THE GENERAL PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STATUTES AND RULES REQUIRING CERTAIN PROTECTIVE PERSONAL APPAREL SUCH AS HARD HATS, EAR PLUGS, EYE SHIELDS, PROTECTIVE SHOES, ETC. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR LIABILITY FOR ACTIONS TAKEN BY THE CONTRACTOR ENDANGERING LIFE OR PROPERTY

# SITE WORK CONSTRUCTION SEQUENCE

- 1. SUBMIT NOTICE OF INTENT (N.O.I.) TO THE TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION AND APPLY FOR GRADING PERMIT FROM THE ASHLAND CITY STORM WATER DEPARTMENT. WORK MAY NOT BEGIN UNTIL N.O.C. IS RECEIVED.
- 2. CONTRACTOR, ENGINEER, AND REPRESENTATIVES FROM THE ASHLAND CITY STORM WATER DEPARTMENT SHALL MEET AT A PRE-CONSTRUCTION MEETING TO DISCUSS IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROL DEVICES 3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PRIOR TO START OF ANY WORK,
- UNLESS OTHERWISE INSTRUCTED BY THE COUNTY BUILDING AND ZONING OFFICE.
- 4. INSTALL SILT FENCE, CONSTRUCTION ENTRANCE AND GRAVEL CHECK DAMS
- 5. INSPECTION OF SEDIMENTATION CONTROL DEVICES BY ENGINEER AND REPRESENTATIVE OF THE LOCAL AUTHORITIES, INCLUDING INSPECTION OF THE CONSTRUCTION ENTRANCE.
- 6. OBTAIN GRADING PERMIT AND BEGIN EXCAVATION AND GRADING OF THE SITE. INSTALL ALL NECESSARY UTILITIES AND STORM WATER STRUCTURES. INSTALL ALL NECESSARY PAVEMENTS.
- 7. INSTALL ALL SPECIFIED REINFORCED MAT OR SOD, AND STABILIZE ANY GRADED AREA WITHIN AREA NOT RECEIVING PAVEMENT, GRAVEL, OR RIP-RAP. NO DISTURBED AREA SHALL BE LEFT BARE FOR FOR MORE THAN 7 DAYS.
- 8. PROVIDE EVERY 72 HOUR INSPECTION AND MAINTENANCE OF SEDIMENTATION CONTROL DEVICES AND AFTER EVERY STORM EVENT.
- 9. COMPLETE SITE IMPROVEMENTS AND INSTALL PERMANENT EROSION CONTROL SYSTEMS.

- 1. CONTRACTOR TO EXPOSE ALL UNDERGROUND UTILITIES. VERIFY DEPTH AND IDENTIFY ANY AND ALL CONFLICTS WITH PROPOSED UTILITIES DESIGN. INFORM ENGINEER IN WRITING PRIOR TO START OF WORK.
- 2. THERE ARE NO EXEMPTIONS OR EXCLUSIONS. ALL MATERIAL, LABOR AND EQUIPMENT SHALL BE PROVIDED
- BY CONTRACTOR FOR EXECUTION OF THIS WORK. ALL WORK INCLUDING MATERIAL, INSTALLATION SHALL BE COMPLETED TO SATISFACTION OF THE OWNER AND ALL AGENCIES HAVING JURISDICTION.
- 3. FINAL AS BUILD DRAWINGS OF ALL SITE AND UTILITIES SHALL BE PROVIDED BY CONTRACTOR. AS-BUILD
- PLANS SHALL INCLUDE SUFFICIENT DATA TO MEET THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION.
- 4. AFTER COMPLETION OF WORK AND ACCEPTANCE BY THE ASHLAND CITY AND THE OWNER, ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AT CONTRACTORS COST.

THE PROJECT ASSOCIATED WITH THESE SUBMITTED PLANS IS COVERED UNDER TENNESSEE CONSTRUCTION GENERAL PERMIT ------ THE TOTAL DISTURBED AREA IS: 5.45 ACRES.

CHECK ALL THAT APPLY: THIS SITE DISCHARGES INTO WATERS IDENTIFIED BY TDEC AS: IMPAIRED FOR SILTATION IMPAIRED FOR HABITAT ALTERATION EXCEPTIONAL Masud Fathi MAY 27, 2021 SIGNATURE DATE:

CIRCLE ONE: DEVELOPER PROJECT ENGINEER OTHER

### **EPSC Signature**

Masud Fathi, Certified Erosion Control Specialist

have reviewed this plan for sufficient onsite erosion and sediment

control provisions. Date: MAY 27, 2021

## SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- 1. PERFORM ALL EARTHWORK OPERATIONS IN SUCH A MANNER AS TO CONTROL EROSION AND PREVENT SEDIMENTATION FROM ENTERING STREAMS OR BEING TRACKED ONTO ROADWAYS. COMPLY SPECIFICALLY AND COMPLETELY WITH STATE & LOCAL GOVERNMENT AGENCIES AND WITH EROSION AND SEDIMENTATION CONTROL PERMIT REQUIREMENTS.
- 2. INSTALL AND OBTAIN APPROVAL OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.
- 3. ALL EROSION AND WATER QUALITY CONTROL STRUCTURES SHALL BE INSPECTED FOR STABILITY AND OPERATION FOLLOWING EVERY RUN-OFF PRODUCING RAINFALL DURING CONSTRUCTION, AS DIRECTED IN THE NPDES PERMIT.
- 4. MAKE NEEDED REPAIRS TO CONTROL STRUCTURES IMMEDIATELY UPON DETECTION OF DEFICIENCIES.
- 5. CLEAN SEDIMENT FROM BASIN(S) WHEN STORAGE CAPACITY IS DIMINISHED.
- 6. REMOVE SEDIMENT FROM SILT FENCES WHEN THE DEPTH REACHES APPROXIMATELY 4". SILT FENCES AND DIVERSION DITCHES SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
- 7. REMOVE ALL TEMPORARY SEDIMENTATION CONTROL DEVICES NOT DESIGNATED TO REMAIN UPON COMPLETION OF GRADING AND FINAL ACCEPTANCE OF GRASSING, BUT NO LATER THAN 14 DAYS AFTER FINAL SITE STABILIZATION.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY MEASURES NECESSARY TO PREVENT SITE EROSION AND SEDIMENTATION AS DETERMINED BY TDEC.
- 9. INLET PROTECTION SHALL BE PROVIDED FOR CATCH BASINS AND FOR CURB INLETS CLEAN SEDIMENT FROM PIPE AFTER VEGETATION IS ESTABLISHED.

10. EXISTING AND PROPOSED INLETS RECEIVING DRAINAGE FROM DISTURBED AREAS SHALL HAVE INLET PROTECTION AS INDICATED ON PLANS.

# SITE DEMOLITION NOTES

- SHALL BE PROTECTED.

# **UTILITIES NOTES**

- ENTRANCES.
- PRESERVE ANY AND ALL UTILITIES.
- REDUCERS).
- PROVIDERS AND OBTAIN APPROVAL.

1. OBTAIN ALL NECESSARY LICENSES AND PERMITS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. CONTRACTOR TO PROVIDE ALL ASSOCIATED FEES AND COSTS.

2. CONTRACTOR TO CONTACT TENNESSEE "ONE CALL" LINE LOCATORS TO AID IN IDENTIFYING & LOCATING EXISTING BURIED UTILITIES PRIOR TO COMMENCING WITH ANY CONSTRUCTION ACTIVITIES. 3. CONTRACTOR TO VERIFY THE PROJECT LIMITS AND FIELD CONDITIONS BEFORE BIDDING THIS PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO THE IRREGULAR SURFACE CONDITIONS THAT MAY BE ENCOUNTERED ON THIS SITE. 4. ANY EXISTING PAVEMENT, SIDEWALKS, DRAINAGE STRUCTURES, UTILITIES, OR ANY OTHER EXISTING STRUCTURES THAT

ARE DISTURBED AND ARE TO REMAIN, SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER. 5. SAW-CUT ASPHALT PAVING AND CONCRETE SIDEWALKS ON SMOOTH AND STRAIGHT LINE AT THE BOUNDARY OF EXISTING TO REMAIN AND EXISTING TO BE REMOVED.

6. THE BURNING OF CONSTRUCTION DEBRIS OR TRASH ON THE OWNER'S PROPERTY IS FORBIDDEN

7. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF THE OWNER'S PROPERTY. ALL DEBRIS SHALL BE DISPOSED OF IN A LANDFILL LICENSED BY THE STATE TO RECEIVE THE SPECIFIC DEMOLITION DEBRIS.

8. COORDINATE REMOVAL/ADJUSTMENT OF ANY EXISTING MANHOLES, CATCH BASINS, OR OTHER

STRUCTURES WITH THE LAYOUT, GRADING & UTILITY PLANS.

9. ALL TREES AS INDICATED IN THE PLANS TO BE REMOVED SHALL BE CLEARLY MARKED & FLAGGED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ANY TREES THAT ARE TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION

10. ADJUST ALL M.H., C.B., INLETS, VALVE COVERS, ETC. TO NEW GRADE

1. ALL WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT SPECIFICATIONS OF THE RESPECTIVE UTILITY OWNER.

2. SEE MECHANICAL, PLUMBING, AND ELECTRICAL PLANS FOR EQUIPMENT LAYOUT AND UTILITY

3. PIPE LENGTHS ARE APPROXIMATE, CONTRACTOR TO VERIFY ACTUAL PIPE LENGTHS REQUIRED 4. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND

5. THE CONTRACTOR SHALL COORDINATE THE TIE-INS TO THE EXISTING WATER & SEWER LINES WITH THE RESPECTIVE UTILITY OWNERS, PRIOR TO COMMENCING THIS WORK. 6. THRUST BLOCKING SHALL BE PROVIDED FOR PRESSURE LINES WHEN THERE ARE DIRECTIONAL CHANGES (AT BENDS, TEES AND WYES), STOPS (AT DEAD ENDS) OR CHANGES IN SIZE (AT

7. ALL SANITARY SEWER SERVICE LINES SHALL MAINTAIN A MINIMUM 1% SLOPE (U.N.O.) 8. ALL UTILITY LINES ON-SITE SHALL BE UNDER-GROUND. 9. CONTRACTOR SHALL VERIFY ALL MATERIAL TYPES AND INSTALLATION METHODS WITH UTILITY



